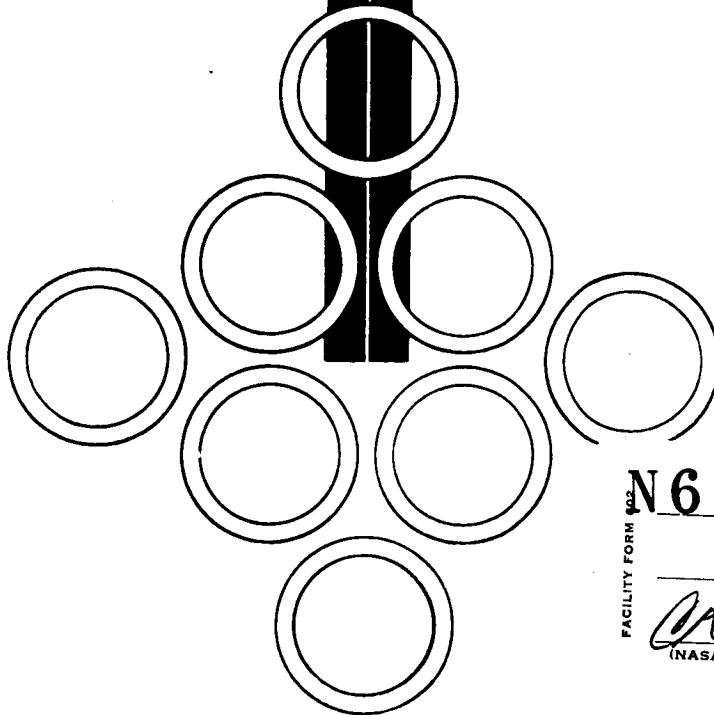


ENGINEERING DEPARTMENT
TECHNICAL NOTE

TN-AE-65-72

VOLUME I



N 67-32009

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RESULTS OF A WIND TUNNEL
INVESTIGATION TO DETERMINE
THE DETAILED PRESSURE
DISTRIBUTIONS ON THE S-IB
STAGE FINS AND TAIL AREA
OF THE SATURN IB VEHICLE

SATURN S-IB STAGE AND SATURN IB PROGRAM

SPACE DIVISION  CHRYSLER
CORPORATION

Rgt 45794

TECHNICAL NOTE

TN-AE-65-72
VOLUME I

RESULTS OF A WIND TUNNEL INVESTIGATION
TO DETERMINE THE DETAILED PRESSURE DISTRIBUTIONS
ON THE S-IB STAGE FINS AND TAIL AREA OF THE
SATURN IB VEHICLE

February 15, 1965

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CHRYSLER CORPORATION SPACE DIVISION
NEW ORLEANS, LOUISIANA

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Section 1

SUMMARY

Chrysler Corporation Space Division (CCSD) conducted a wind tunnel investigation on a 5.0 percent scale model of the Saturn IB vehicle to determine the detailed pressure and load distributions on the fins and tail area of the S-IB stage. These tests were conducted to assist in evaluating the structural integrity of the S-IB stage. The tests were performed in the Ames Research Center (ARC) 11 x 11 foot Transonic Wind Tunnel from October 9, 1964 to October 23, 1964. This investigation was performed under Work Assignment AD-15 of NASA Contract NAS8-4016, Part III, b.

Data was obtained over a Mach number range of 0.70 through 1.35, and over an angle of attack range of -14.2 degrees to +14.2 degrees. The data is presented in tabular form for each test condition as coefficient of pressure and as a function of orifice number. This report consists of six volumes. All descriptive material is included in Volume I. Volumes II through VI each contain a Foreword which lists the correlation numbers contained in that volume. The pages bearing these numbers are a continuation of Volume I, Table 2.

This report contains tabulated pressure coefficients in the tail area of the S-IB stage for the Saturn IB launch vehicle, Saturn IB launch vehicle without turbine exhaust ducts, Saturn IB launch vehicle without S-IB stage fins, and Saturn IB launch vehicle with four Minuteman strap-ons.

An analysis of the data will be made and reported at a later date.

Section 2

DISCUSSION

2.1 Test Model Description

The test model was a five per cent sting-mounted, stainless steel, aerodynamic reproduction of the Saturn IB vehicle, including all major protuberances, as illustrated in figure 1. The escape rocket tower was not simulated. Three basic model configurations were tested:

- | | |
|--|--|
| 1. Saturn IB Vehicle | Full length model
(Configuration 2) |
| 2. Saturn IB Vehicle
(foreshortened) | 25.603 inches removed
from S-IVB cylinder
(Configurations 1, and
3 through 11) |
| 3. Saturn IB Vehicle plus
Minuteman Strap-ons | Saturn IB (foreshortened)
with four M-55 Minuteman
first stages strapped to
the S-IB stage. (Config-
urations 12 through 17) |

Variations in the three basic model configurations included:

1. Static and/or total pressure rakes on and off.
2. S-IVB stage retro-rockets, antenna panels, and base cooling air scoops on and off.
3. S-IB stage turbine exhaust ducts and fins on and off.

Figure 1 presents a summary of all seventeen test configurations. The table at the top of figure 1 presents model roll angle (ϕ) as a function of configuration. Figures 2a through 2d are installation photographs of the model. The model was instrumented with static pressure orifices to measure the local static pressure distributions in the area of the S-IB stage fins and tail barrel. Figures 3 through 12 present the location and numbering scheme of the static pressure orifices. The following additional model instrumentation was included: A three-component force fin balance, nine oscillating pressure (buffeting) transducers, and a one-component moment balance on one turbine exhaust duct.

This report presents only the static pressure data obtained from the model at ARC. The buffeting and force measurements obtained will be presented in report form at a later date. Figures 13 through 17 show some of the detailed geometry in the tail area. Figure 17 is a drawing showing the

model installed in the ARC 11 x 11 foot wind tunnel. See reference 1 for further model and pretest information.

2.2 Test Scope and Procedure

Test data were obtained at Mach numbers of 0.70, 0.80, 0.90, 0.95, 1.00, 1.05, 1.10, 1.20, and 1.35, and at angles of attack of 0, ± 2 , ± 4 , ± 6 , ± 8 , ± 12 , and ± 14.2 degrees. Configurations 1 and 2 were run at Reynolds number per foot of 2.5×10^6 , 4.0×10^6 , 6×10^6 and 8×10^6 , for Mach numbers of 0.8, 1.0, and 1.35 and at angles of attack of 0, ± 4 , ± 8 , and ± 14.2 degrees to determine foreshortening effects and R_N/ft effects. Most of the data was obtained on the foreshortened model at R_N/ft of $\approx 4.0 \times 10^6$.

Colored Schlieren photographs were obtained at the Mach numbers and angles of attack indicated in table 1. These photographs are on file with the CCSD Experimental Aerodynamics Unit.

Zero-degree angle of attack data were obtained in the middle and at the end of each angle of attack series for each Mach number, roll angle, and configuration. The RMS values presented in test data precision (paragraph 2.4) were obtained from these samples.

One-half of one quadrant and one side of one fin were instrumented with static pressure orifices. The model was then rolled (ϕ) to obtain data in other octants.

2.3 Test Results

The test results are presented in table 2 as tabulated coefficients of pressure (CP). Each run is preceded by a headed page which states data point correlation number, tunnel, test number, test phase, configuration number, angle of attack, model roll (degrees), Mach number, tunnel dynamic pressure (psf), tunnel stagnation pressure (psf), tunnel static pressure (psf), Reynolds number per foot, model angle of attack (degrees), fin angle (degrees), freestream total temperature (degrees Rankine), scanivalves 147, 247, 347, 447, 547, 647, 747, and CP(REF). The two pages following each headed page present CP as a function of orifice number. Whenever some of the model pressures are not measured, CP will appear in the listings and should be ignored. For example, when the instrumented pressure fin is removed from the model, the CP for orifices 1 through 105 will be listed but should be ignored. As a further example of how to find data of interest, the following method is suggested:

- a. First examine the configuration of interest in figure 1.
- b. Find the configuration in table 1 and determine the correlation number.
- c. Find the orifice numbers of interest in figures 3 through 16.
- d. Review the correlation numbers in table 3 and read the CP values at the orifice numbers of interest.

2.4 Test Data Precision

All pressures were measured by seven 48SGM-0 48-port scanivalves, mounted in the upper stage of the model. The scanivalves utilized seven 12.5 psid Statham pressure transducers. The transducers are linear and are repeatable to within 0.5 percent of full scale, or 0.0625 psi.

The data repeatability was checked on all seven scanivalves at zero degrees angle of attack and the results are presented as the RMS deviation from the arithmetical average:

ORIFICE NUMBER/ Δ CPRMS

1 - 42	43-82 331-335	83-105 190-204 180 325-330	151-179 181-189 336-341	210-252	253-292	110-129 135-143 145-147 205-208 350-355	ORIFICE NUMBER
0.011	0.009	0.021	0.012	0.021	0.016	0.030	Δ CPRMS

The above Δ CPRMS levels represent the maximum deviation on each scanivalve, at all test Mach numbers, and are thought to be conservative values. Data from orifices 11, 30, 31, and 243 is questionable. The decimal point in the Angle of Model Roll in table 2 is erroneously shifted one position to the right. Model roll angles of 180 degrees are listed as 1800 degrees.

Section 3

SYMBOLS AND NOMENCLATURE

The following symbols and nomenclature are used throughout this report:

CP	Coefficient of pressure $\left(\frac{P_L - P_S}{q} \right)$
RN/ft	Reynolds number per foot of length
q	Tunnel dynamic pressure (psf)
P _L	Local pressure (psf)
P _S	Tunnel static pressure (psf)
φ	Roll angle (degrees)
α _M	Model angle of attack
P _{T∞}	Tunnel total pressure (psi in table 1, and psf in table 2)
RMS	Root mean square
ε	Engine skirt angle as seen from the rear
λ	Engine skirt angle in longitudinal direction
X	Distance from gimbal station (inches)
D	Reference diameter (12.85 inches model scale)
ΔCPRMS	Coefficient of pressure root mean square deviation from arithmetical average
α _{NFO}	Angle of zero normal force on the force fin (degrees)
Φ	Angular location of base pressure static pressure orifices (degrees)
R"	Distance from vehicle centerline to base pressure static pressure orifices (inches)
B _F	Five percent scale foreshortened body of Saturn IB vehicle
F ₈	Eight, five percent scale Saturn IB fins

- S_s Four, five percent scale engine skirts with two base cooling air scoops per skirt
- T_{3 or 4} Three or four turbine exhaust ducts, five percent scale
- E₀ Four outboard engines
- M₄ Four, five percent scale Minuteman strap-ons

Section 4

REFERENCE

1. R. J. Waiwood, An Experimental Investigation to Determine Aerodynamic Loads and Load Distributions on Fins, Tail Barrel, and Tail Area Pro-tuberances of the Saturn IB Vehicle, TN-AE-64-33, Chrysler Corporation Space Division, April, 1964.

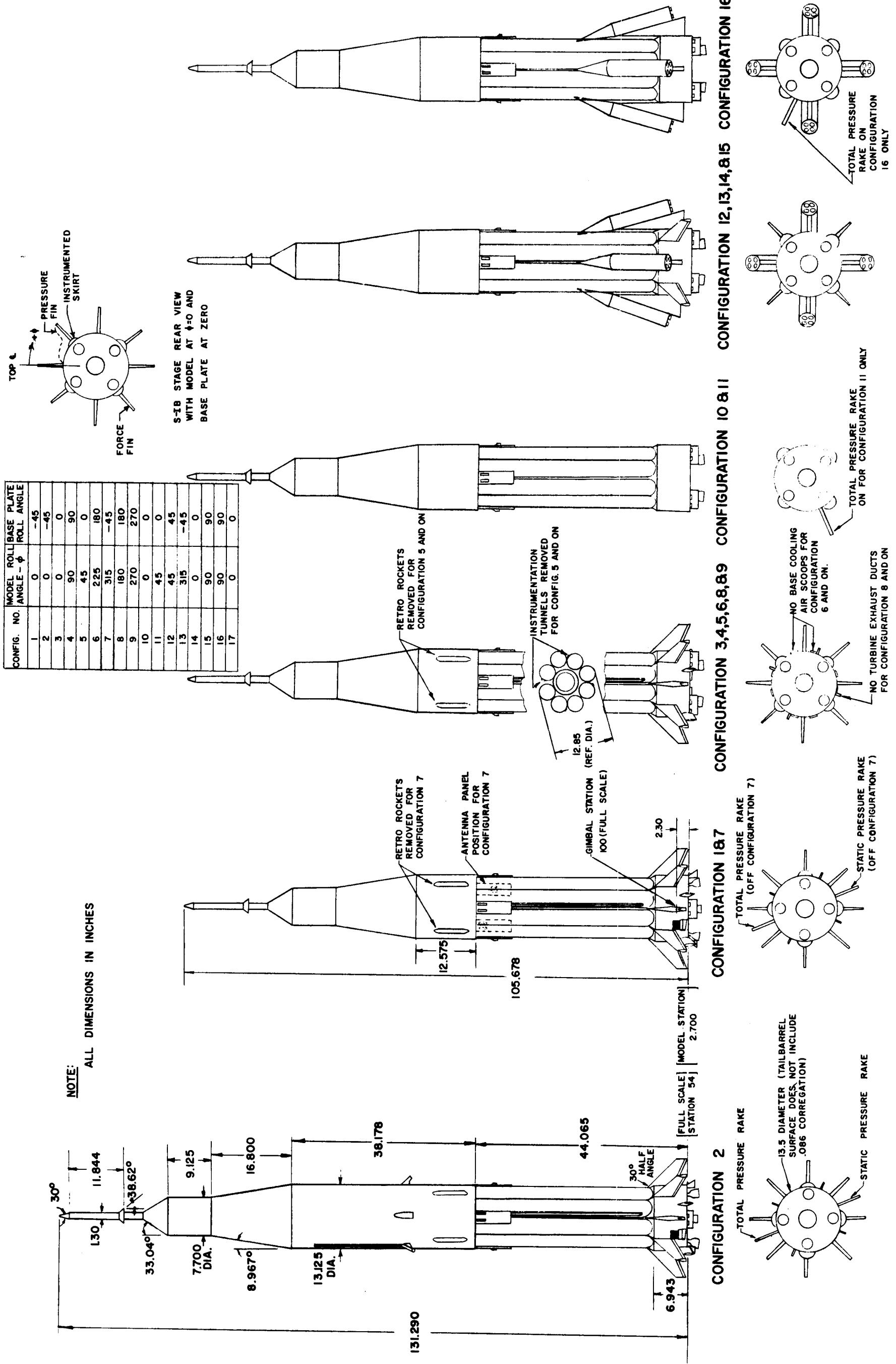


FIGURE 1 – 5% SCALE, SATURN IB MODEL, TEST CONFIGURATIONS

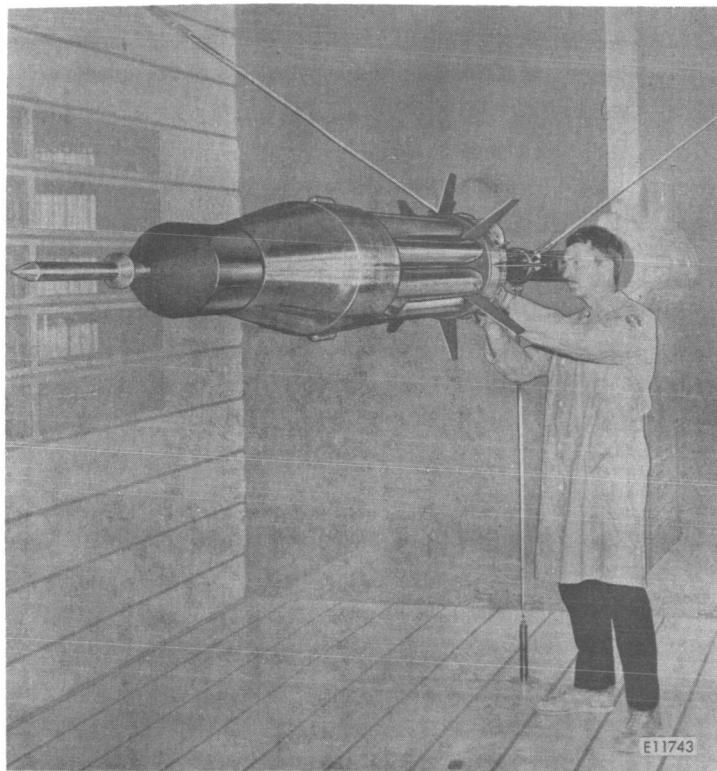


Figure 2a. Saturn IB Five Percent Scale Model in Foreshortened Condition

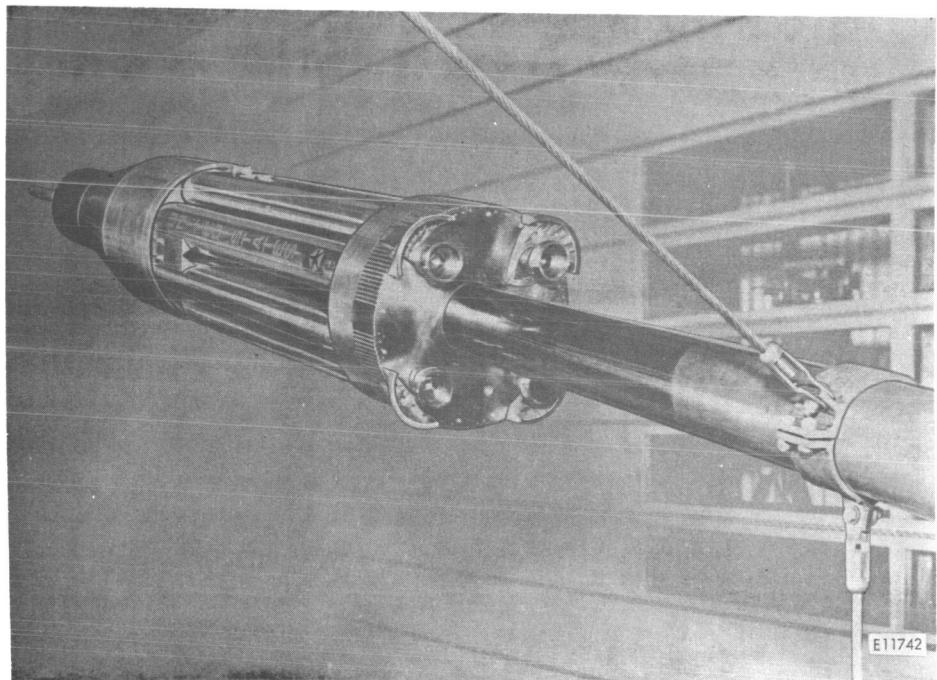


Figure 2b. Saturn IB Five Percent Scale Model without Fins

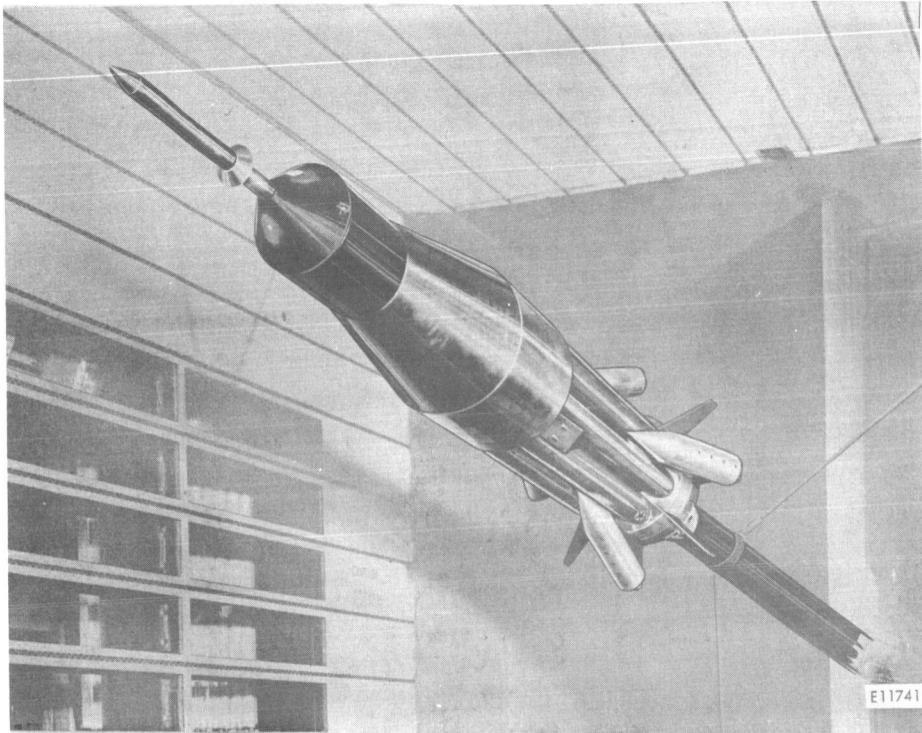


Figure 2c. Saturn IB Five Percent Scale Model with Minuteman Strap-Ons
($\phi = 90$ Degrees)

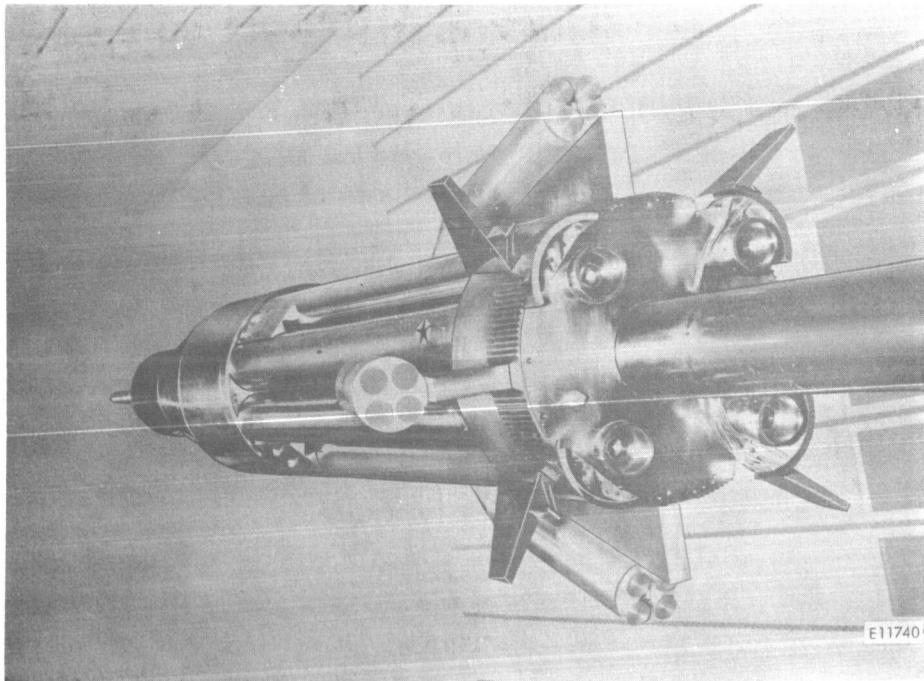


Figure 2d. Saturn IB Five Percent Scale Model with Minuteman Strap-Ons,
3/4 Rear View ($\phi = 90$ Degrees)

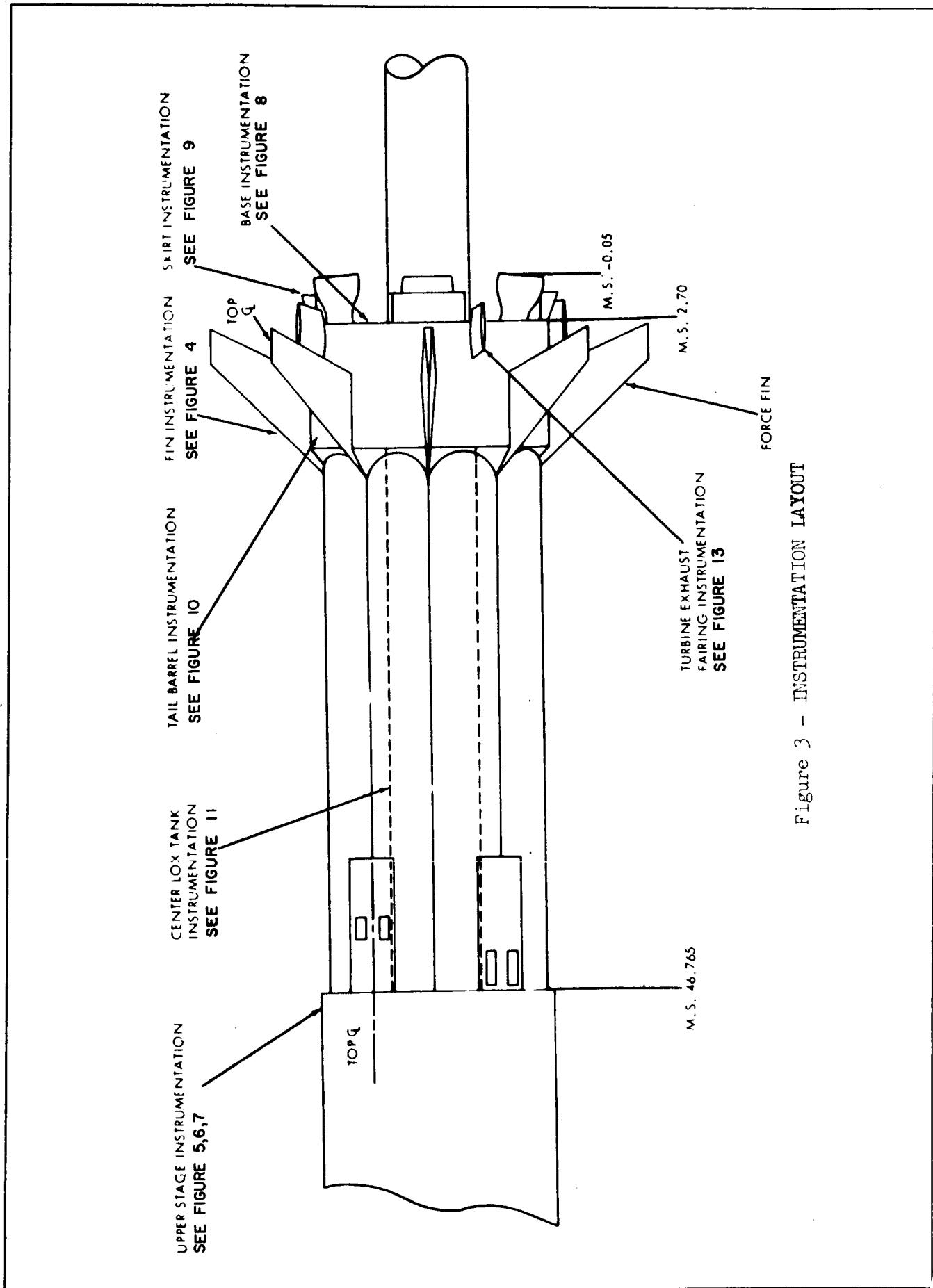


Figure 2 - INSTRUMENTATION LAYOUT

NOTE: All dimensions in inches.

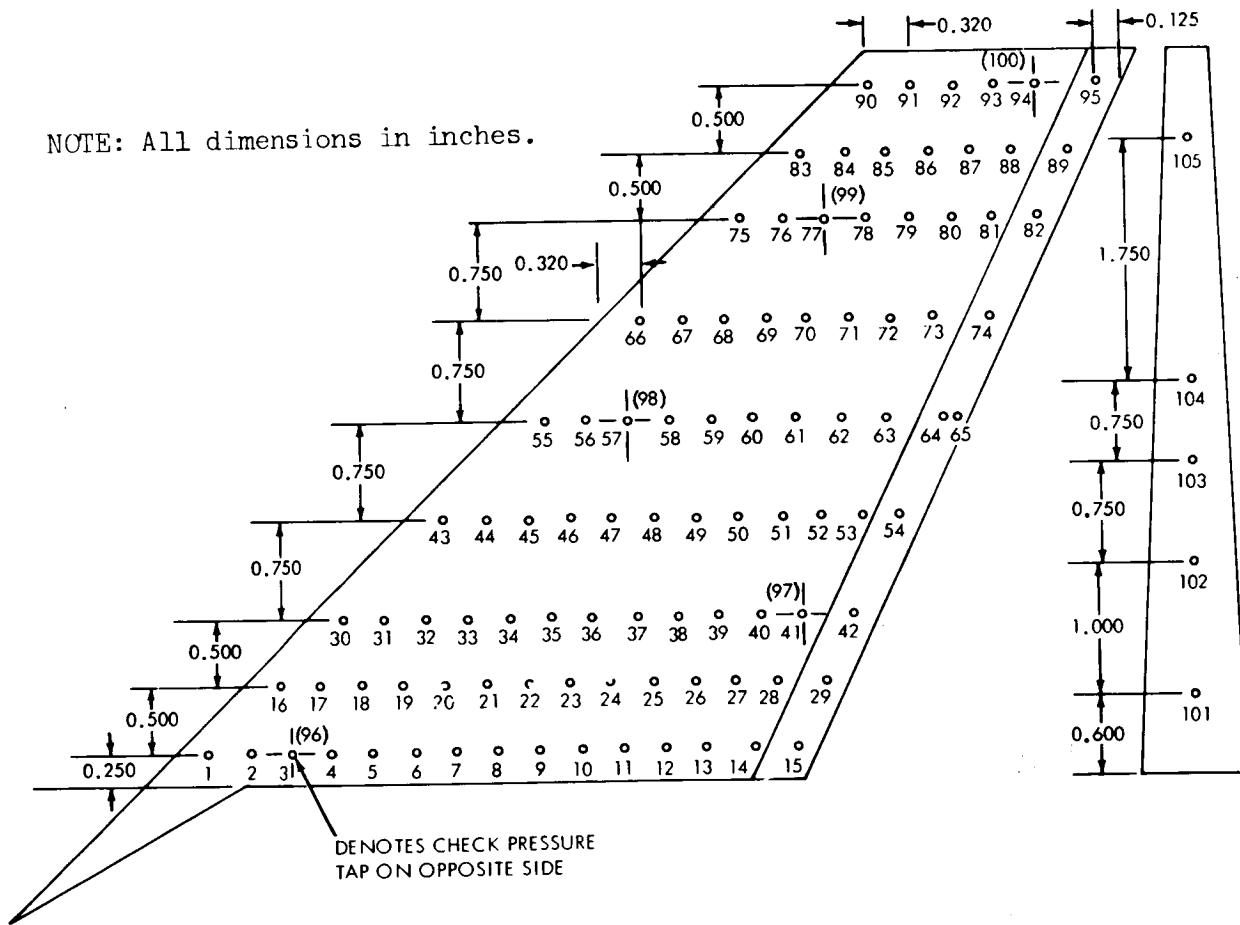


Figure 4 - PRESSURE FIN

NOTE: All dimensions in inches

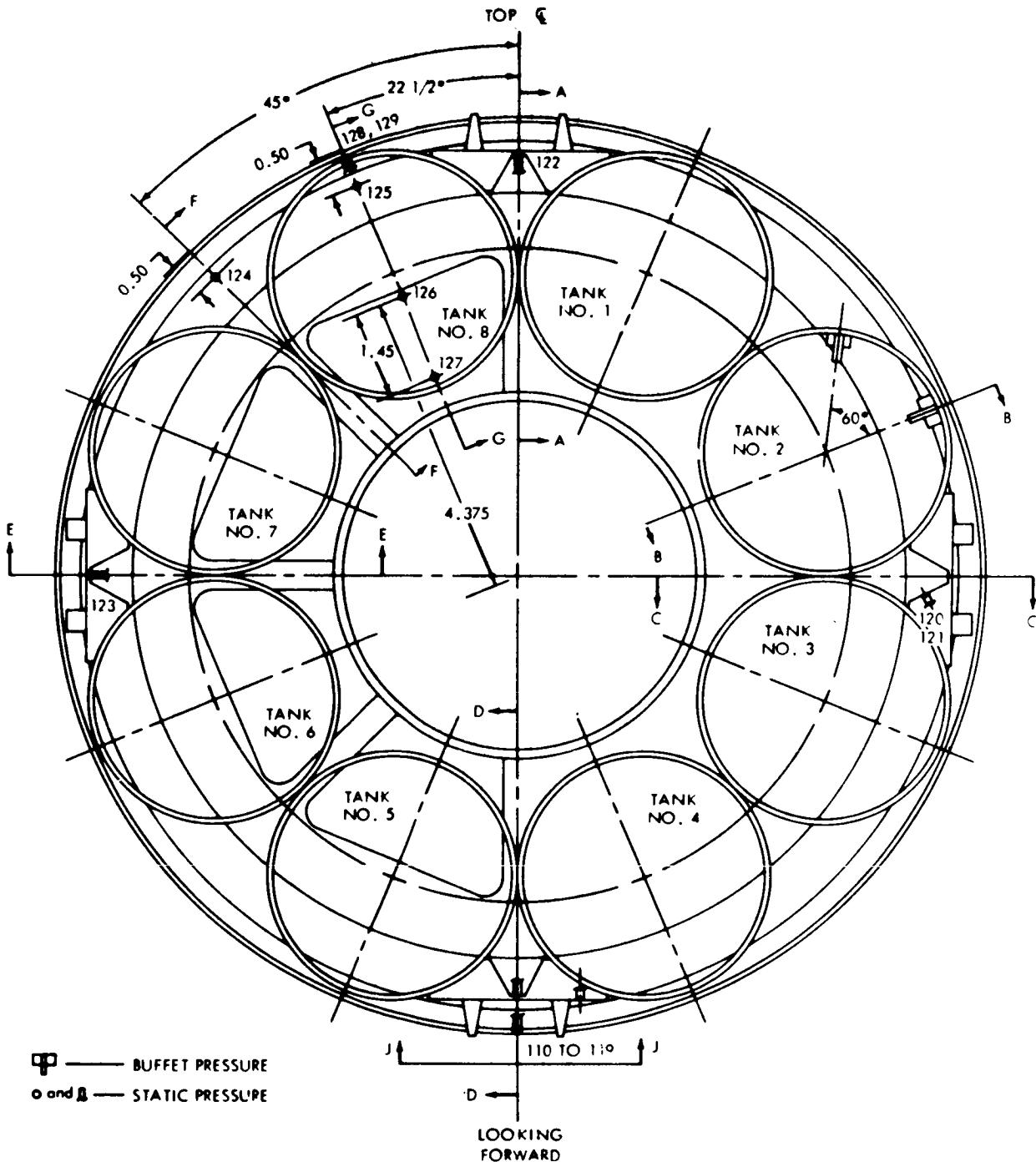


Figure 5 - INTERSTAGE INSTRUMENTATION

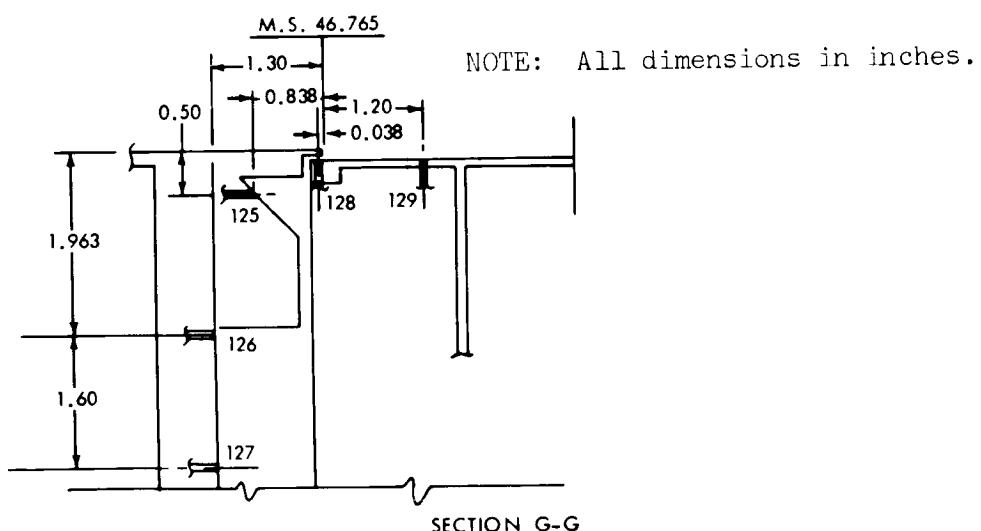
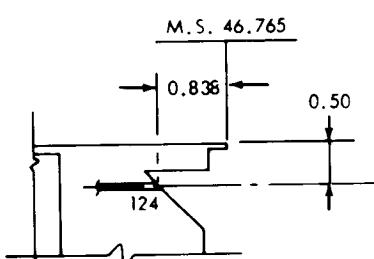
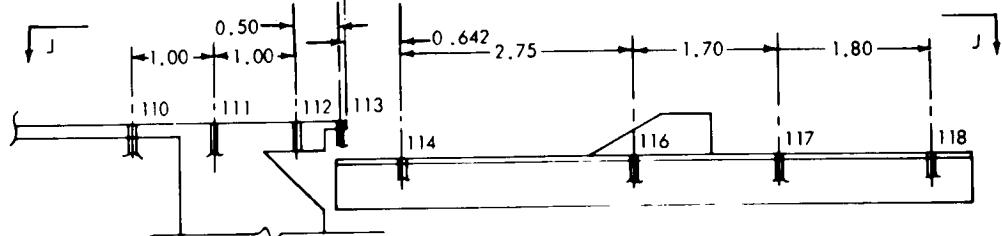
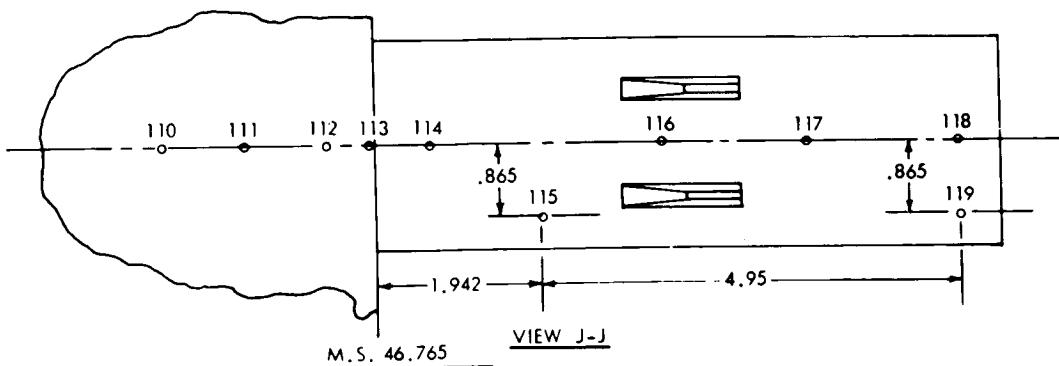
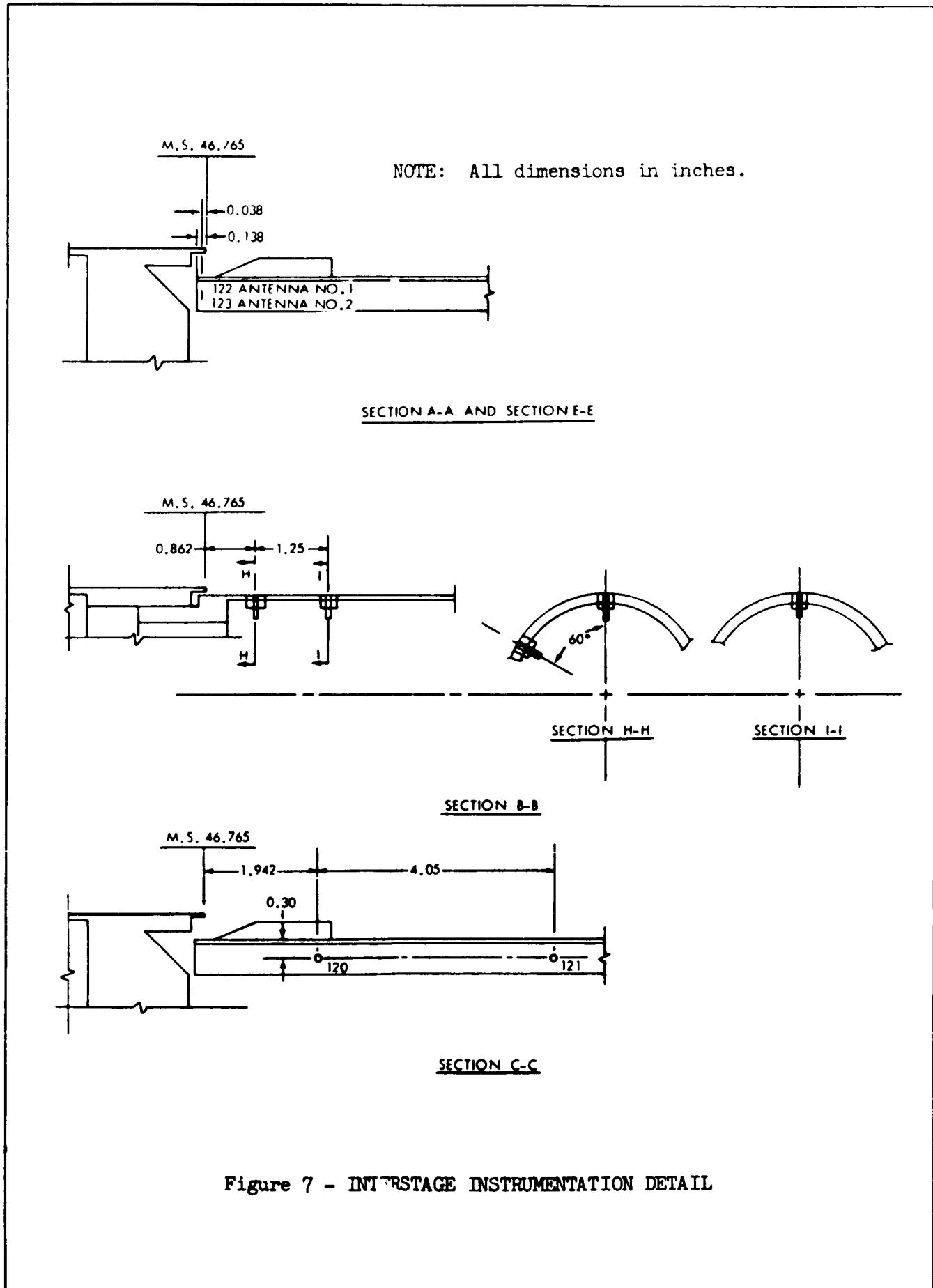


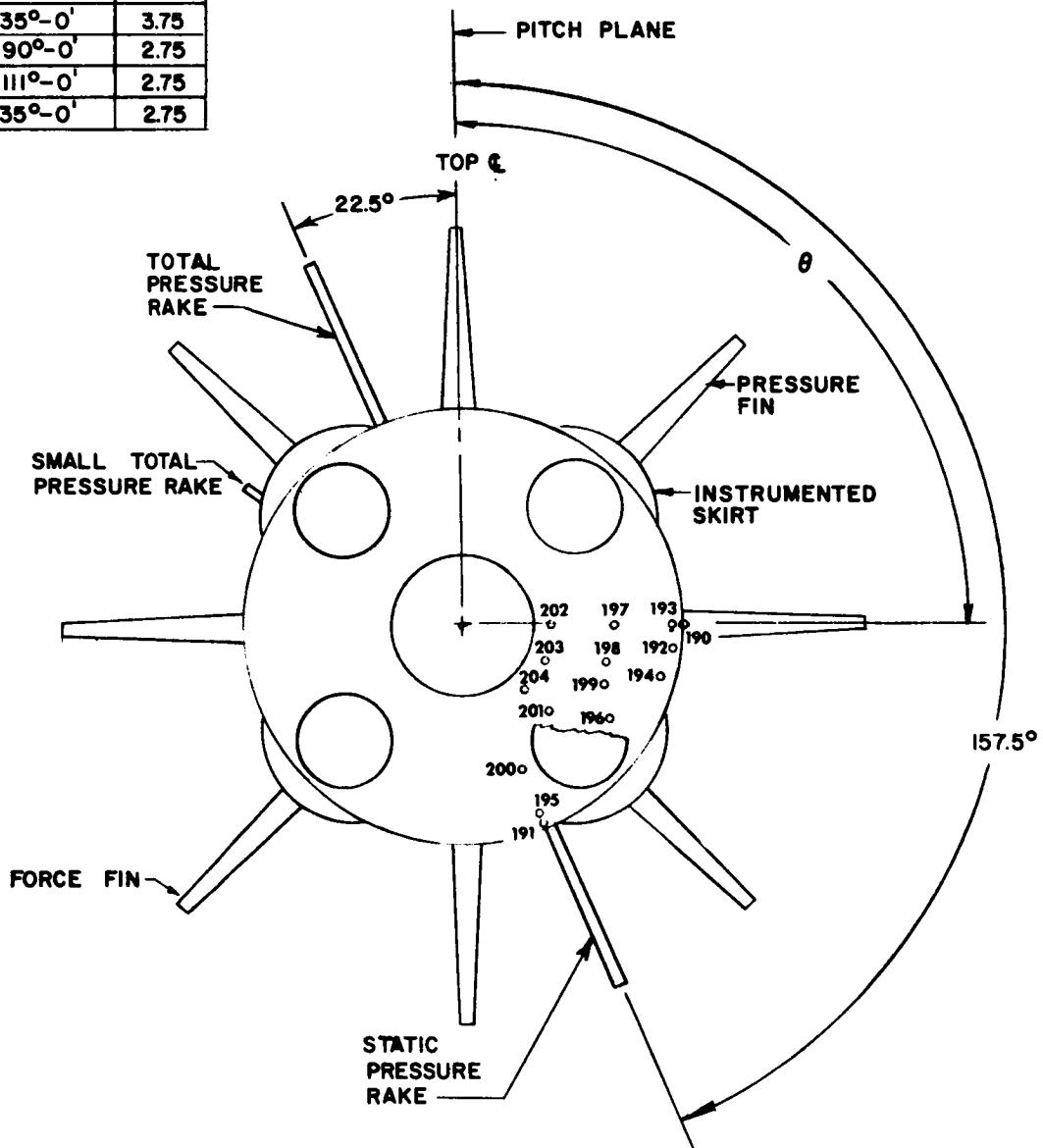
Figure 6 - INTERSTAGE INSTRUMENTATION DETAIL



TAP NO.	θ°	R"
190	91°-0'	6.69
191	156°-22'	6.69
192	91°-0'	6.50
193	90°-0'	6.40
194	102°-19'	6.25
195	156°-22'	6.25
196	122°-0'	5.40
197	90°-0'	4.75
198	102°-19'	4.75
199	111°-0'	4.75
200	156°-22'	4.75
201	135°-0'	3.75
202	90°-0'	2.75
203	111°-0'	2.75
204	135°-0'	2.75

NOTE:ALL DIMENSIONS
IN INCHES

LOOKING FORWARD AT
MODEL STATION 2.700
(MODEL BASE)



$\phi=0^\circ$ CONDITION SHOWN FOR MODEL AND BASE PLATE

FIGURE 8 BASE PRESSURE
INSTRUMENTATION DETAIL

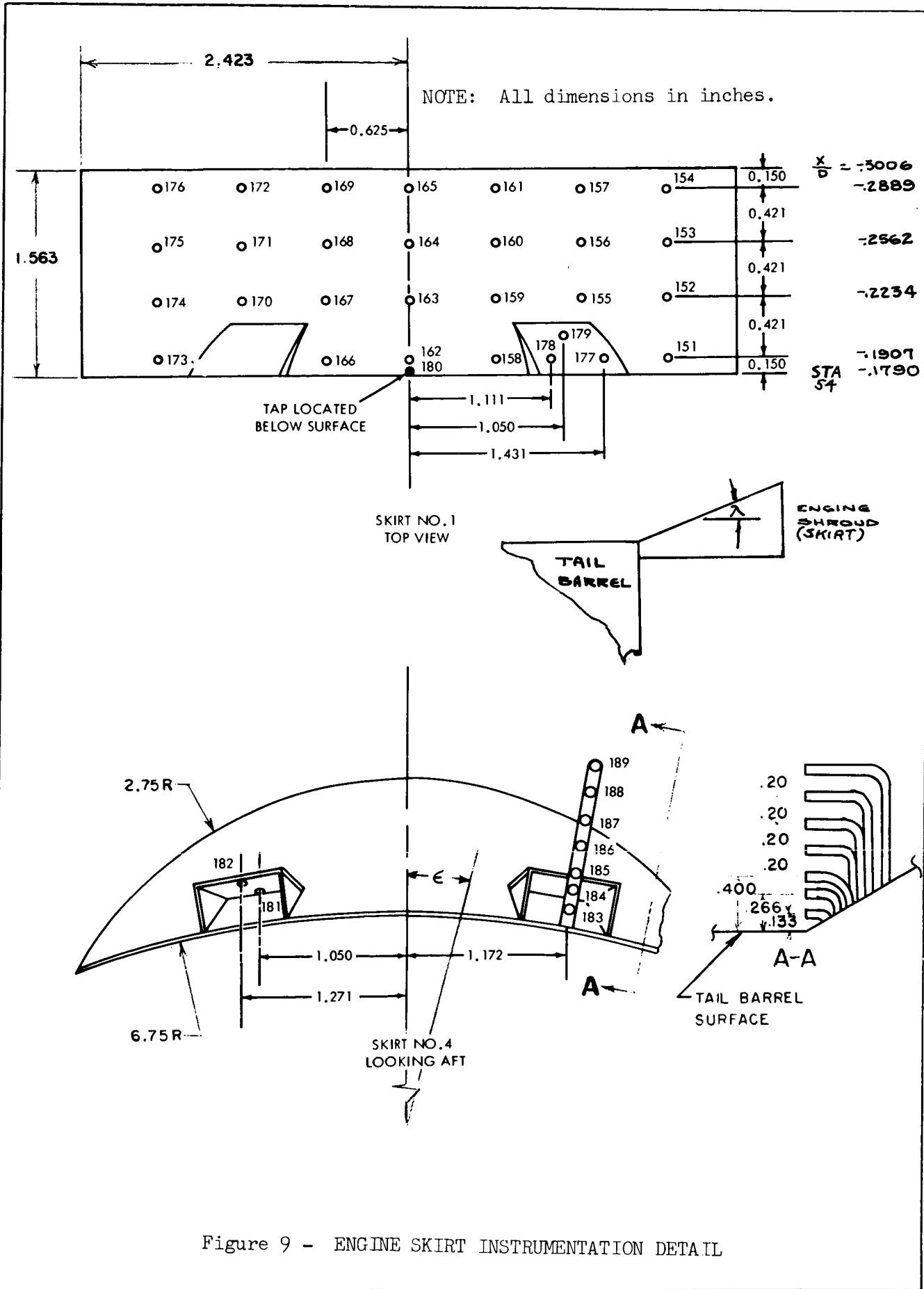


Figure 9 - ENGINE SKIRT INSTRUMENTATION DETAIL

NOTE: All dimensions in inches

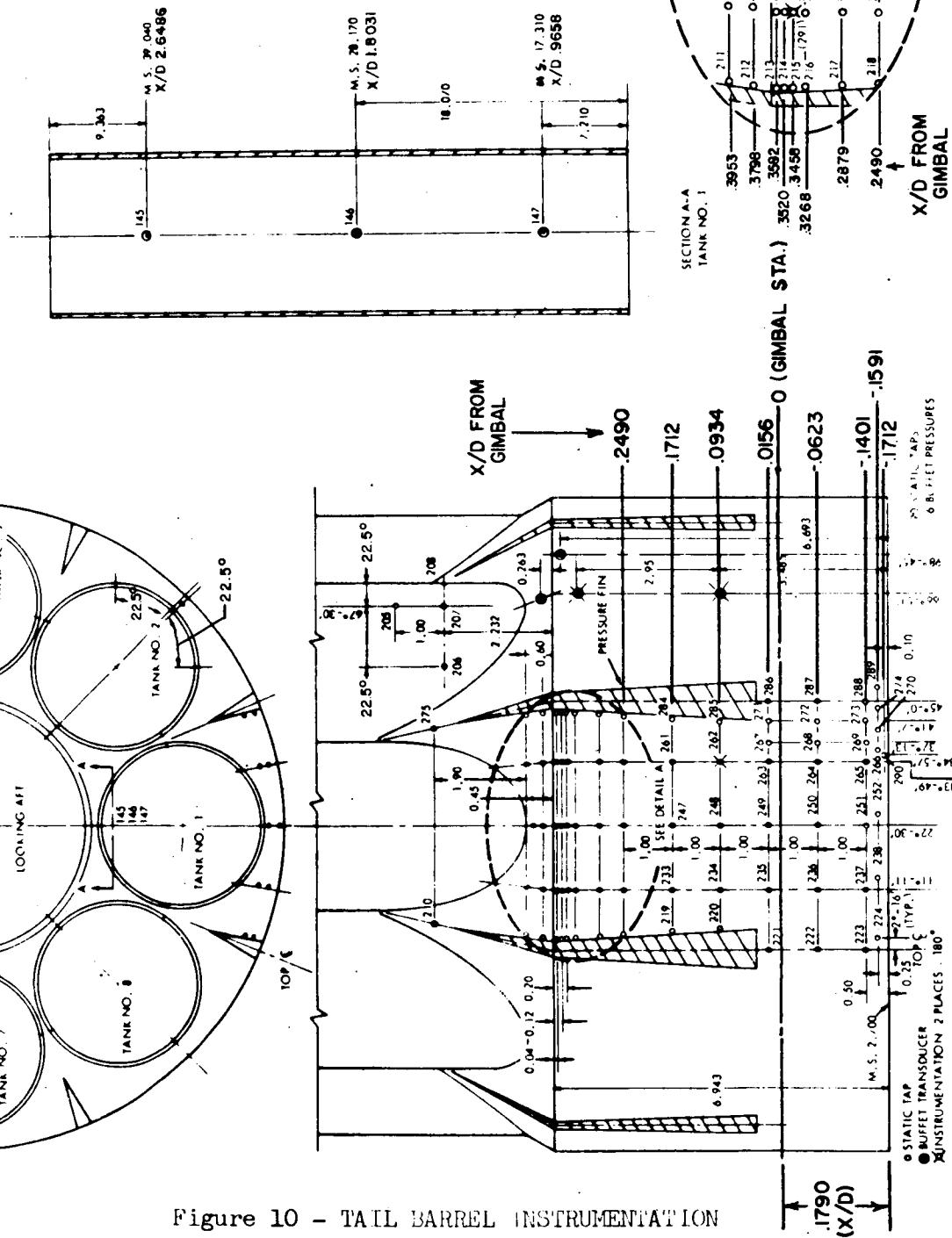
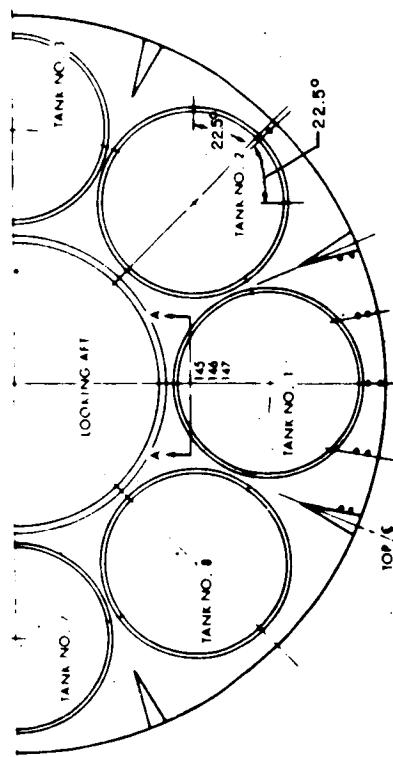


Figure 10 - TAIL BARREL INSTRUMENTATION

NOTE All dimensions in inches

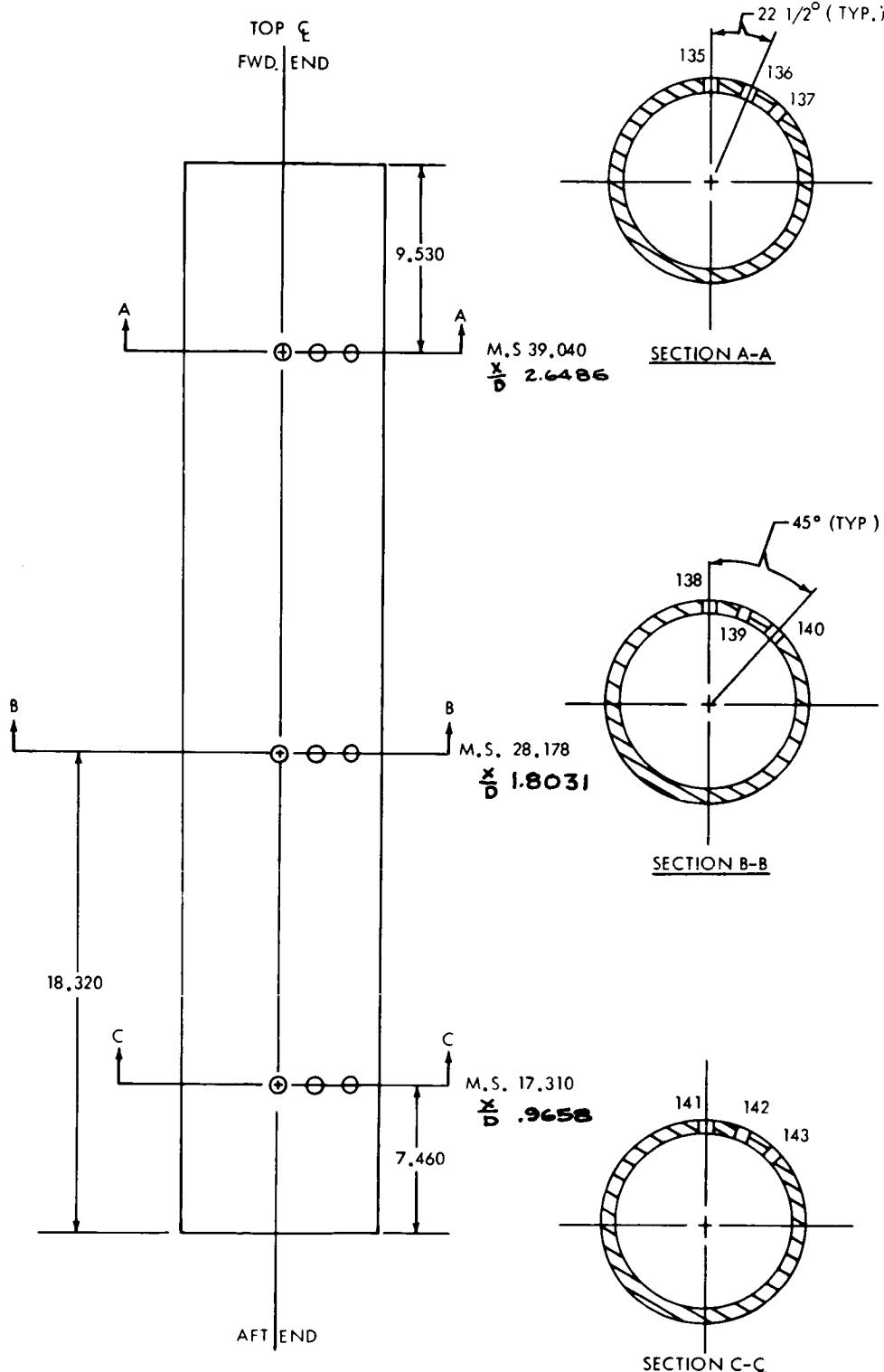
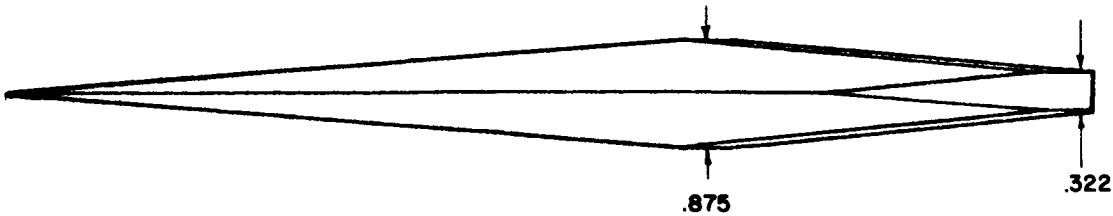


Figure 11 - CENTER LOX TANK INSTRUMENTATION

**NOTE:**

ALL OTHER FINS ARE THE SAME AS
THE FORCE FIN EXCEPT FOR THE
POINT AND THE .035 GAP.

ALL DIMENSIONS ARE IN INCHES

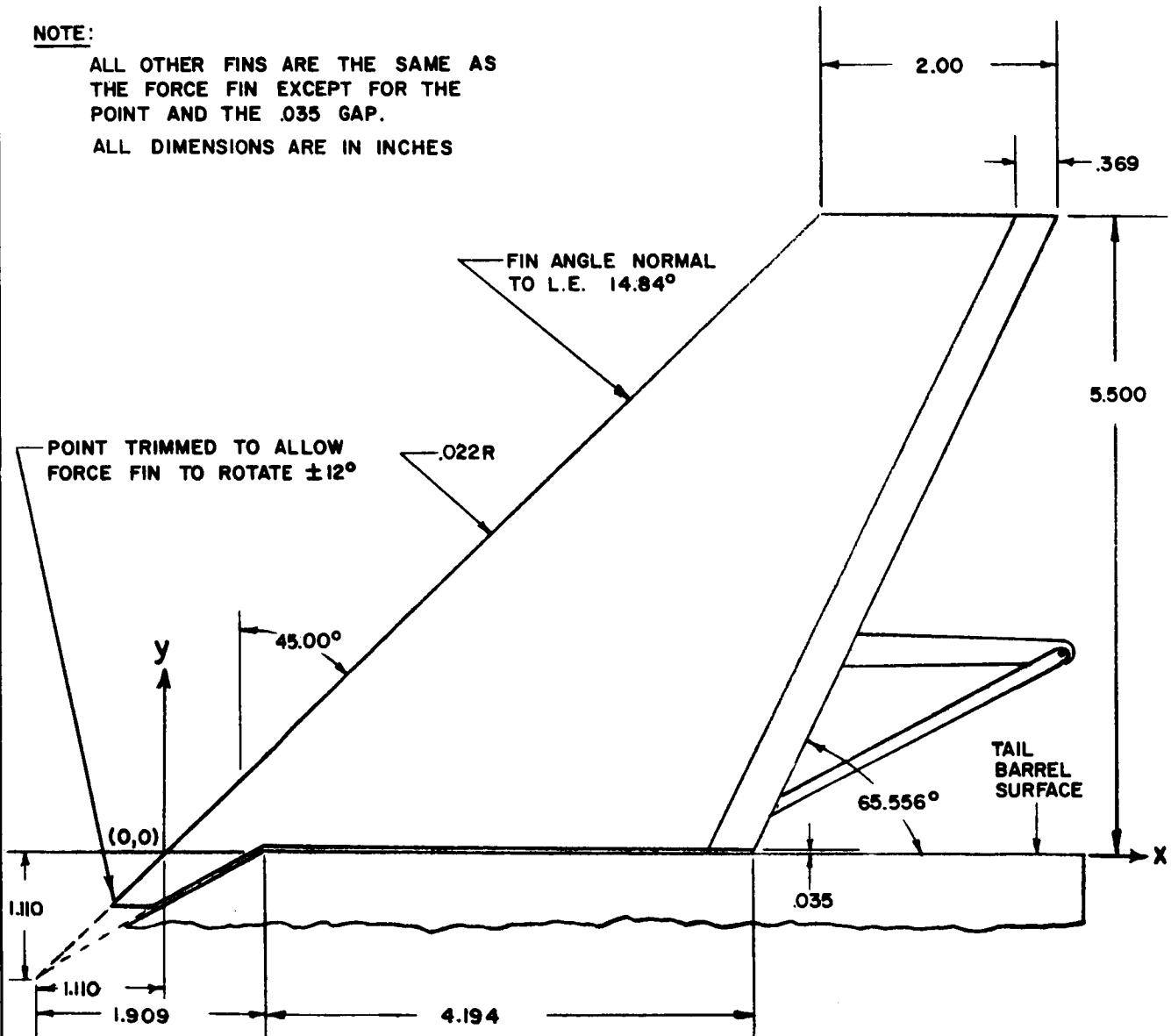


FIGURE 12 FORCE FIN DETAIL

NOTE:
ALL DIMENSIONS ARE IN INCHES

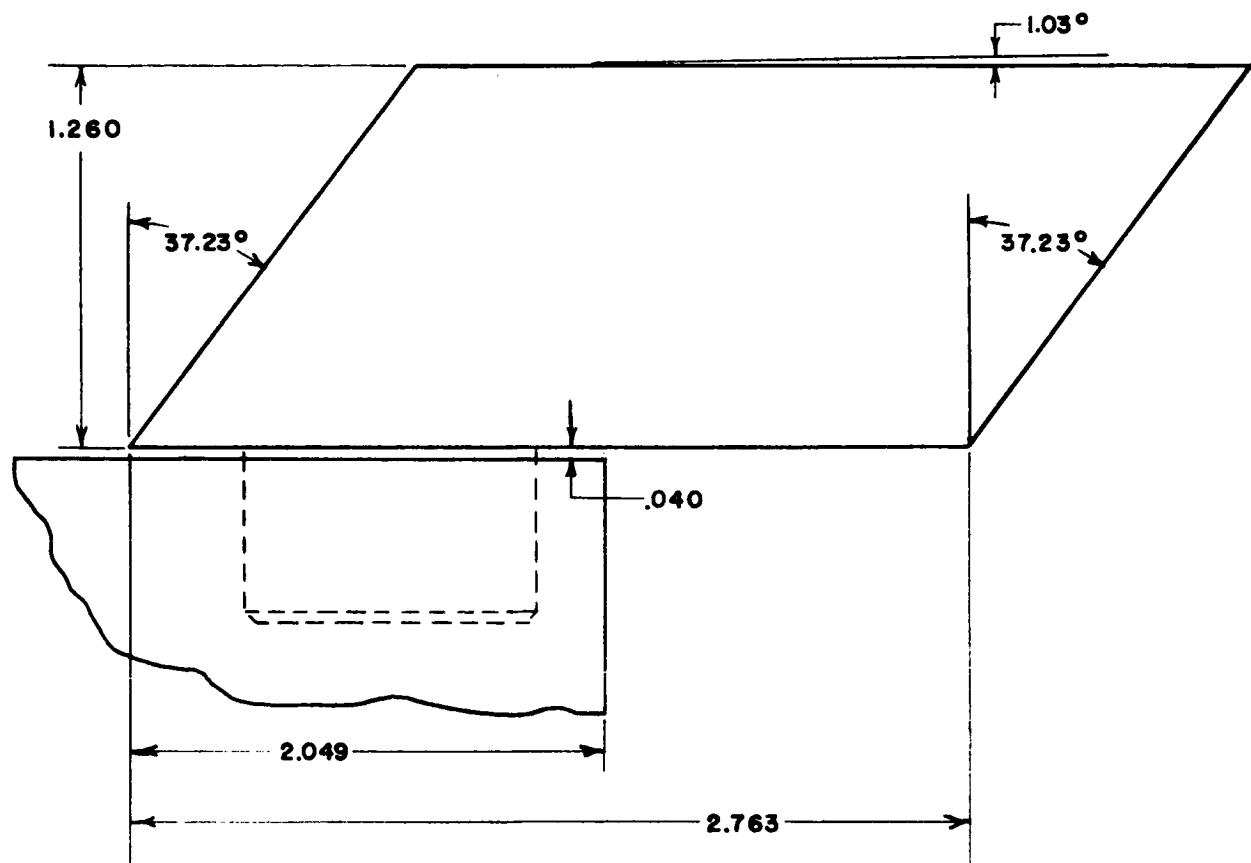


FIGURE 13 TURBINE EXHAUST
DUCT GEOMETRY

NOTE:

ALL DIMENSIONS ARE IN INCHES

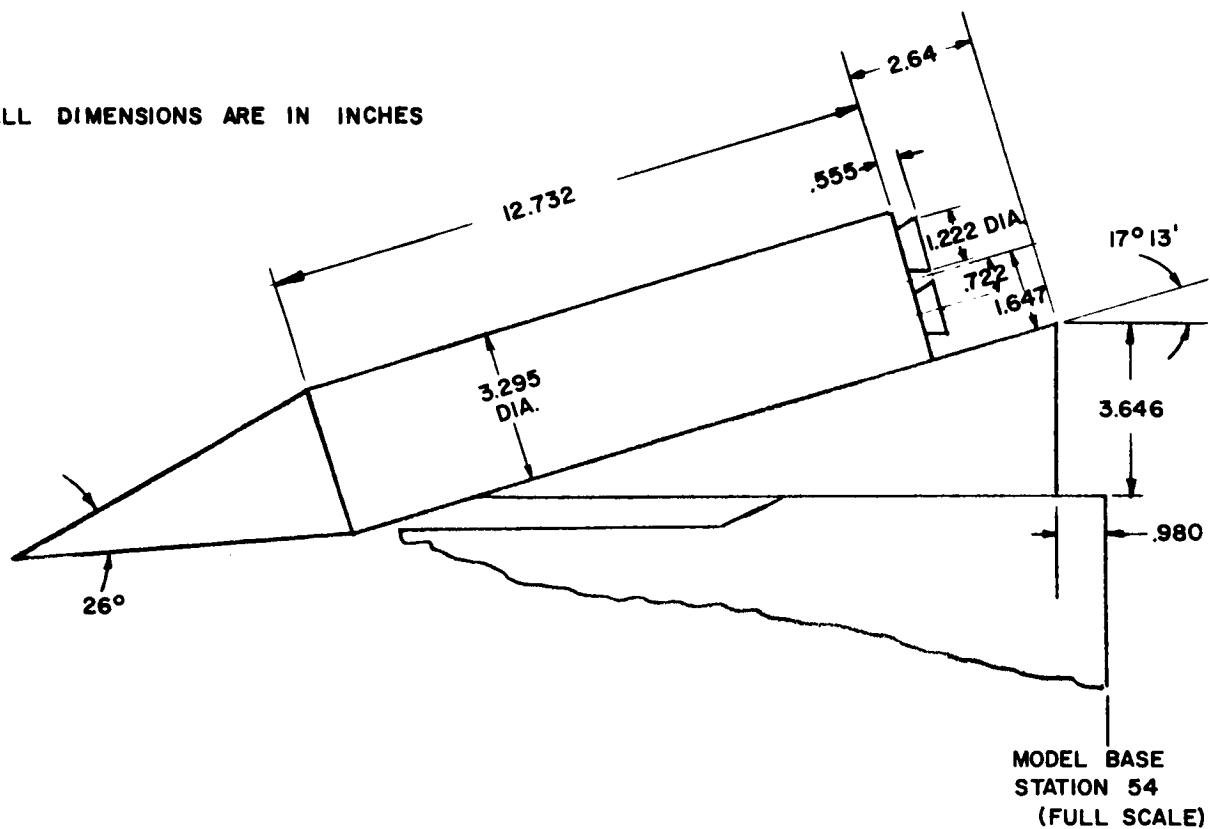


FIGURE 14 MINUTEMAN STRAP-ON DETAIL

NOTE:

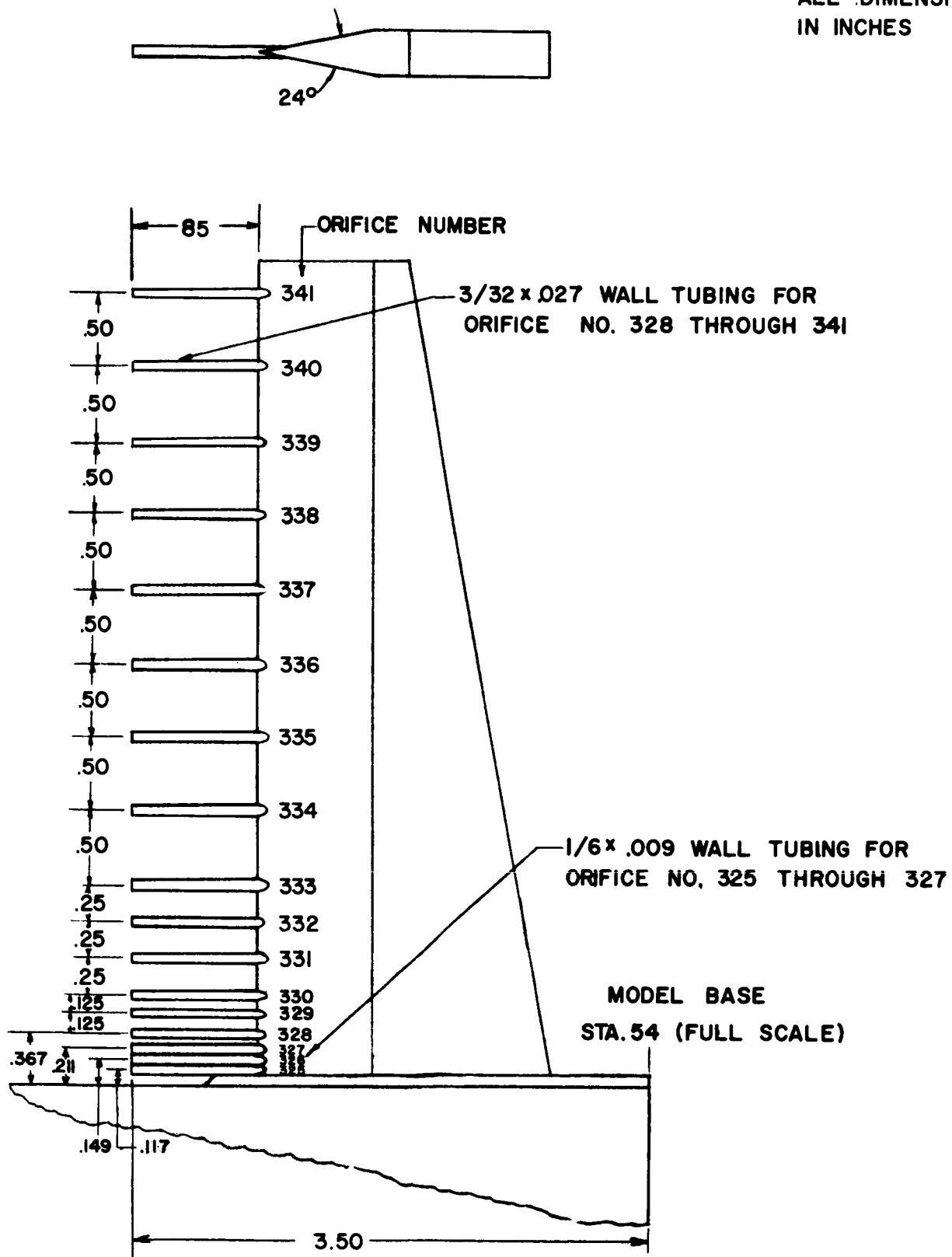
ALL DIMENSIONS
IN INCHES

FIGURE 15 TOTAL PRESSURE RAKE DETAIL

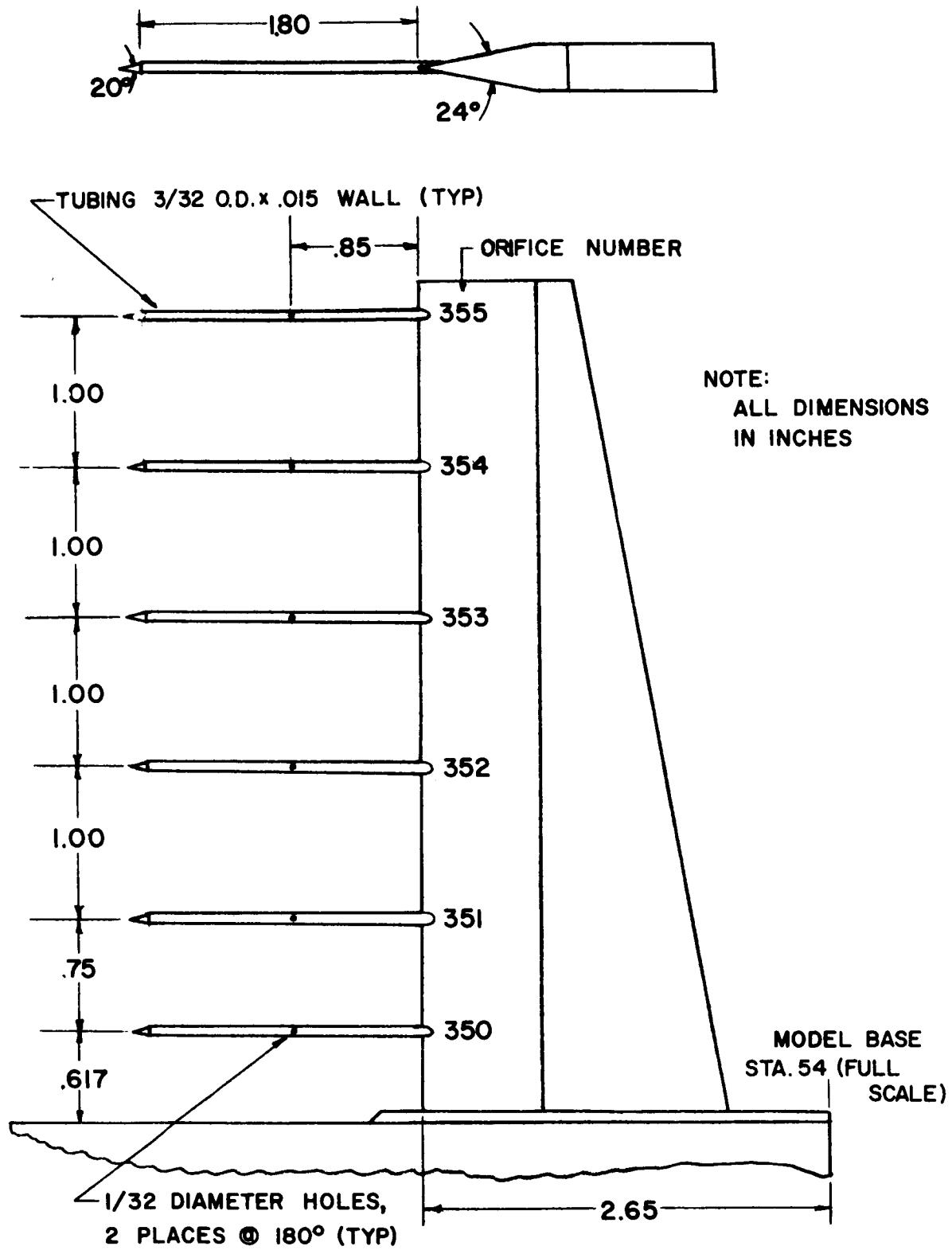


FIGURE 16 STATIC PRESSURE RAKE DETAIL

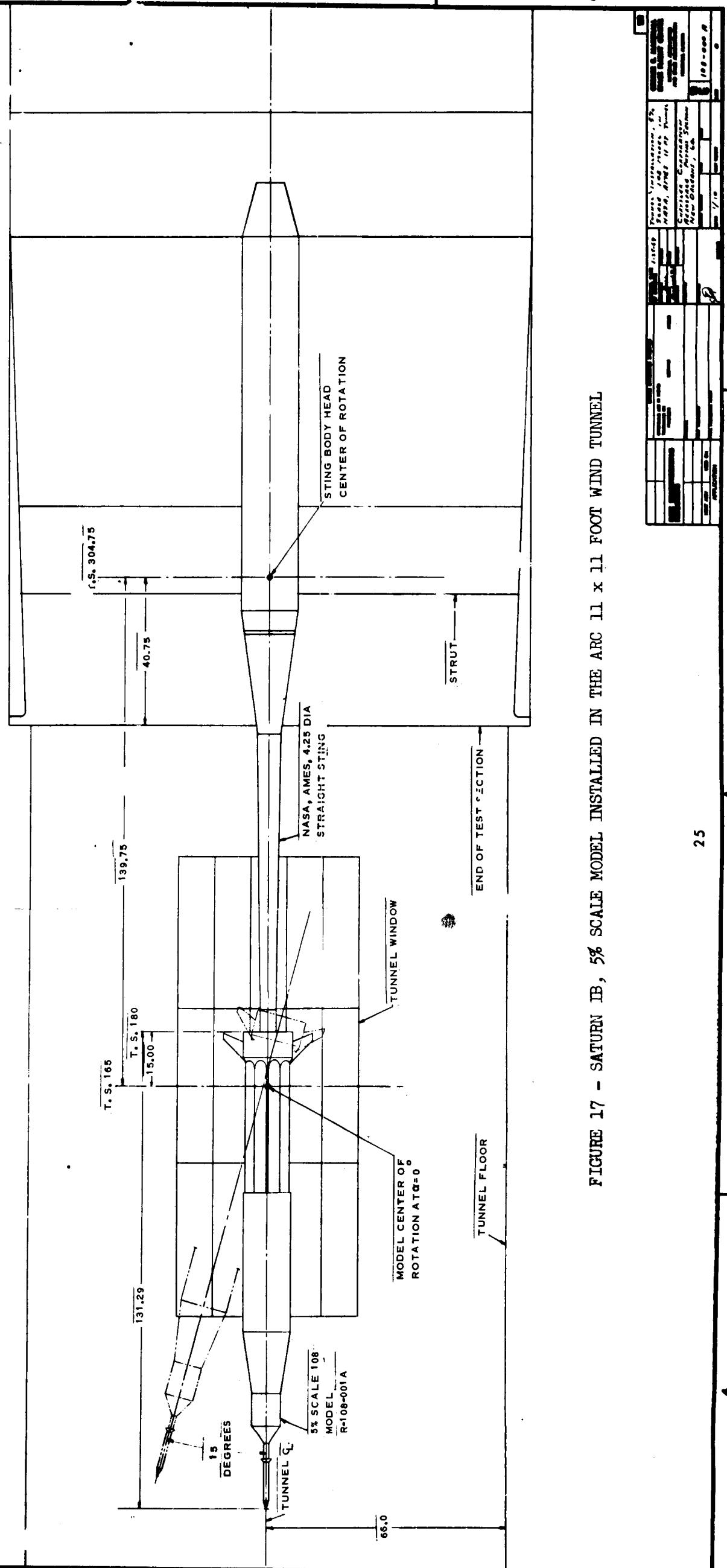
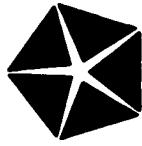


FIGURE 17 - SATURN IB, 5% SCALE MODEL INSTALLED IN THE ARC 11 x 11 FOOT WIND TUNNEL

DATE 10-9-64
 FACILITY JAXA II FT ARC
 PAGE 1 OF 50

CHRYSLER
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TEST PROGRAM
 ARC TEST 86

RUN NO.	CONFIGURATION	M	TEST CONDITION	ϕ°	TUNNEL Total R_{∞}	REYNOLDS Number per FOOT	CARD NUMBER ON SCHIFFEREN	REMARKS
1	SATURN IB - FORESHAWTERED	.80	-14.5 ARC CONFIG 1	0°	15.5 PSIA	$\approx 4 \times 10^6$	NONE	
	EXHAUST T.E.	-10						
	START DATA	-8						
		-6						
		-4						
		-2						
		0						
		2						
		4						
		6						
		8						
		10						
		12						
		FIN/ZA 0.815	14.5					
2	SAT 0820 (CONFIG 1)	1.0	-14.5 NO GOOD UPWASH ANGLES (run) OBTAINED ON RUNS	0°	≈ 19.00	4×10^6	090	OSCILLATING PRESSURE TRANSDUCERS
		-8					091	TRANS DUCER LOCATED 180° OPPOSITE 180°
		-1					092	IN MODEL ANGLE OF ATTACK
		0					0.93	DUE FIN ANGLE OF ZERO NORMAL FORCE
		-9					0.99	REF. PRESSURE ON SCANIVANUELS IS
		+8					0.95	ATMOSPHERIC.
		+14.5					0.96	
		0					0.97	BIG 15% SCALE COEFFICIENTED BODY OF SPURGEON
3	CONFIG. 1	1.35	-14.5 15.0, K	0	≈ 13.5	4×10^6	098	5% SCALE EXHAUST 1B FIN - 8
		-8					049	5% SCALE ENGINE SPURGEON 1B FIN - 8
		-1					050	OUTBOARD ENGINE
		0					051	T 5% SCALE THROUVE EXHAUST DUCTS 4 TOTAL
		+1					052	EG OUT BOARD ENGINE 4 TOTAL
		+8					053	CCSD PRESS. OFFICE * 24133 DATA N.G FOR RUNS
		+14.5					054	055 1-3.
		1015	0					

DATE 12 OCT. 1964
 FACILITY 11' X 11' ARC
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CHRYSLER
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TEST PROGRAM

RUN NO.	CONFIGURATION	M	α	TEST CONDITION	θ°	TUNNEL Reynolds number per min	REMARKS
4	SATURN I B (full length)	.80	-19.2	PRESSURE FIN	0	$\approx 9 \times 10^6$	PRESSURE TAP NUMBERS 31 AND 243 ARE NO GOOD
	CONFIG 2	-8				15.5 PSIA	FOR ALL RUNS
		-4					FORCES FIN LOCKED IN 0° POSITION
	START 0.50	0*					BUFFET DATA WILL BE OBTAINED AT 0° FOR
		+4					30 SEC. RUNS 4 - 202
		+8					WT TARE TAKEN BEFORE RUN 1 INSIGNIFICANT
		+19.2					NO SENSITIVITIES WERE CHANGED
		0					
5	CONFIG 2	1.00	-19.2	STB STAGE REAR VIEW	0	$\approx 9 \times 10^6$	REFERENCE PRESSURE FOR SENSITIVITIES
		-8		(RUNS 9 THRU 9 AND		0.77	IS 2.5" HQ RUNS 4 - 6
		-4		0* 202, 201, 7, 8, 203)		0.78	
		0*		CONFIG 2		0.79	DIALGOMETER WAS CALIBRATED BEFORE RUN
		+4				0.80	4
		+8				0.81	
		+19.2				0.82	BUFFET TRANSDUCERS CALIBRATED BEFORE RUN 4
		0					NO DISC.
							O* OBTAINED BUFFET DATA FOR 30 SEC.
6	CONFIG 2	1.35	-19.2	0	19.0	$\approx 9 \times 10^6$	0.89
		-8				0.85	
		-4				0.86	
		0*				0.87	BALANCE "A" IS BEING USED IN FORCES
		+4				0.88	FIN
		+8				0.89	
		+19.2				0.90	
		0					NO DISC.
7	CONFIG 2	1.35	-19.2	0	28	$\approx 8.5 \times 10^6$	0.92 START R. ^o /FT SWEET
		-8				0.93	
		-4				0.94	
		0*				0.95	
		+4				0.96	
		+8				0.97	
		+19.2				0.98	
		0					NO DISC.

DATE 10-12-69
 FACILITY JULIET ARC
 PAGE 3 OF 50



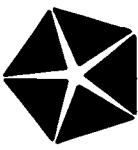
TEST PROGRAM

RUN NO.	CONFIGURATION	M	OC	TEST	CONDITION	ϕ°	TUNNEL LENGTHS (COURT NO. FEET)	REMARKS
202	SATURN IB (full length)	1.00	-14.2			0	≈ 30 RSA $\approx 7.7 \times 10^6$	100
	CONFIG 2	-8						
		-9						101
		0*						102
		4						103
		8						104
		14.2						105
		0						106
								No Pic
8	CONFIG 2	1.35	-14.2			0	$\approx 6 \times 10^6$	108
		-8						109
		-9						110
		0*						111
		4						112
		8						113
		14.2						114
		0						No Pic
7	CONFIG 2	1.35	-14.2			0°	$\approx 2.5 \times 10^6$	116
		-8						117
		-4						118
		0						119
		4						120
		8						121
		14.2						122
		0						No Pictures
201	CONFIG 2	1.0	-14.2			0°	$\approx 2.5 \times 10^6$	124
		-8						125
		-9						126
		0						127
		4						128
		8						129

10015. finding. /Bulman cont

DATE 10-12-64
FACILITY 11x11 FT ARC
PAGE 4 OF 50

CHRYSLER
CORPORATION



SPACE
DIVISION

TEST PROGRAM

RUN NO.	CONFIGURATION	M	OCM	TEST CONDITION	Φ	XFO	TUNNEL No. Total Pne Nugget per Schielen Set	REYNOLDS No. Total Pne Nugget per Schielen Set	REMARKS
201	SATURN IB (Full Length)	1.0	+14.2		0°	8.50	≤2.5 x 10 ⁶	130	
	CONFIG 2		0						No Pitch
203	CONFIG 2	0.8	-8						
		0	0	CHIEF LEFT SIDE OF COLUMNS SHOWN FIN ANGLE AS APPROACHED TESTED					
		8	0	OP' RIGHT SIDE INDICATES					
20	SATURN IB (FORESHORTENED)	1.35	-14.2	FIN ANGLE OF 0° CAN BE APPROACHED FROM IN CENTER.	0°	13.4	≈ 9 x 10 ⁶		START OF BASIC LOADS DATA. WE WILL GET BASIC LOADS DATA WITH FORE- SHORTENED MODEL. DATA SHOWS NO UPWASH ANGLE EFFECT DUE TO FORESHORTENING. STARTING AT RUN 10 THE MODEL IS IN THE LAUNCH CONFIGURATION EXCEPT FOR FORESHORTENING. ALL BASE COOLING AIR SCOOPS ARE ON THE MODEL STARTING AT RUN 10. NO BASE COOLING AIR SCOOPS ON MODEL BEFORE RUN 10.
	CONFIG 3	-12		ANGLE THIN THAT FOR 0° C. 8**					
	8** SATE.			-6**					
	TIME @ THIS TEST CONDITION:			-9**					
	DATA'S			-2**					
	SWI DOWN - 305.0			-1					
	SHANTED UP AGAIN AFTER REPAIR OR DISASSEMBLY			0**					
	SAME FIN 10			+1					
	TIME @ THE TEST CONDITION			+2**					
	SWI: 51.5			+4*					
	+6*			+8**					
	SUBSTAGE REAR VIEW			NOTE: FORCE FIN AT +39° WHEN Φ = 0 FOR RUNS 20					
	CONFIG 3			+14.2 AND 1/2 OF RUN 19. ALL					
				FIN ANGLES CORRECTED.					
				ARE COMPUTED FORCE DATA NOT CORRECTED					
RUN 20	UPON ARRIVAL AT TEST POSITION THE MODEL WAS PITCHED TO ANGLE OF ATTACK AND WAS DITCHED BACK TO 0°. FOUND THAT THE DIAL GAGES WAS CROPPING. THE MODEL WAS MOUNTED FOR THIS RUN. AND DATA RECALLED. NO ANGLES OF ATTACK WILL BE LISTED.								
	ONE DATA READ OUT WAS OBTAINED AT Φ = 0° WITH SCALING VALUE REFERRED AT 25.0 HG AND ONE READ OUT AT 20 IN HG. AT Φ = 0 THE FORCE FIN WAS PITCHED TO +8, +6, +4, +2, +1.5, +1.0, +0.5, AND 0 AND FORCE DATA LISTED. THIS FORCE DATA WILL NOT BE COMPUTED, WE (CSD) WILL HAVE TO HAND COMPUTE THIS DATA. TUNNEL WAS TAKEN DOWN, DIAL GAGES REMOVED AND CONNECTED REWIRED AND REPAIRED.								

DATE 10-13-64
 FACILITY WXL ARC
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TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	α_{uro}	TUNNEL TOTAL R ₂₀ mm/m²	TEST NO. SCHLEGGEN CO. JG	REMARKS
19	SIB (fore/afted)	1.2	-14.2	Start 1.55°	0°		13.32	$\approx 4 \times 10^{-6}$	235 FORCE FIN CALIBRATION YIELDED THE FOLLOWING
	CONFIG. 3		-12°						SENSITIVITIES, NORMAL FORCE PULLING MOM. ATTITUDE
	B.F. SATEO.		-8**						LOW RANGE .045°/ft D105°/ft
			-6*						HIGH RANGE .022°/ft D105°/ft
			-4*						D105°/ft .0012°/ft
			-2**						
									239 AT 0850 ON JULY 20 THE DIALGOMETER READ
									240 OUT (THIS IS THE ANGLE OF ATTACK INDICATOR IN THE MODEL)
									241.3 SIGHT DOWN TO INTEGRATOR FOR THE SECOND
10	1.4 G.A. BEGAN TAKING DATA @ 0223.0		-1	LAST DATA PT. 2.45 PM (10-13)					241.4 SIGHT DOWN TO INTEGRATOR FOR THE THIRD
	No Schlevers -		-9.2	CHECK POINT START (10-19)					248 AT THE ONE WIRE WAS SWUNG LOOSE. RESULDED
	equip. Not working		-8	CHECK POINT AT ≈ 2.30 AM					249.0 REPLACED AND INSTALLED WITH A NEW
			-9	CHECK POINT					250 AT CALIBRATION MADE. A PARTIAL PURPOSE
			0**						251 AT THE TUNNEL WAS MADE.
			+/-						252 AT
			+2*	NO BUFFET DATA AT $\alpha_m = 2^{\circ}$	+8.7				253 AT Force Fin Calibration Constants (Alpha)
			+9*						254 CAL. SIGHT DOWN TO INTEGRATOR FOR THE FOURTH
			+C*						255 AT 9000 N + 0.22523 - 0.345 *CONSTANT (PERMANENT)
			+8**						256 AT
			+12						257 AT 8500 N + 0.012 - 0.054 H-LOC CONST
									258 AT -0.02154 - 0.054 H-LOC CONST
									259 AT 0.0175 - 0.054 H-LOC CONST
									260 AT 0.0525 - 0.054 H-LOC CONST
									261 AT 0.0525 - 0.054 H-LOC CONST
									262 AT 0.0525 - 0.054 H-LOC CONST
									263 AT 0.0525 - 0.054 H-LOC CONST
									264 AT +10.8559 *FT-LB AT + R (FT-LB)
									265 AT + 0.85979 *FT-LB AT - R
									266 AT - 0.19520 #FT-LB AT + M
									267 AT M = O AT - M
									268 AT + 0.01176 FT-LB AT + N
									269 AT + 0.001788 FT-LB AT - N
									270 AT + 0.007128 FT-LB AT + M
									271 AT - M
									272 AT + 0.003978 FT-LB AT + N
									273 AT - M + 0.002979 FT-LB AT - N
									274 AT + 0.01518 FT-LB AT + R
									275 AT - 0.001518 FT-LB AT - R
									276 AT + R
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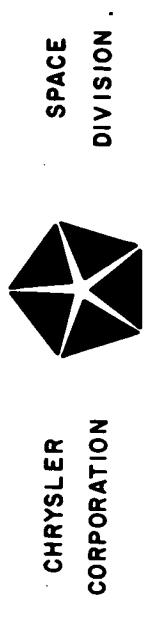
DATE 14 OCT. 1964
 FACILITY 11' x 11' ARC
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SPACE
 CHRYSLER
 CORPORATION
 DIVISION

TEST PROGRAM

RUN NO.	CONFIGURATION	M	C _m	TEST CONDITION	θ° C _m /FO	TUNNEL TOTAL P _T ₂₀₀	Schlieren No.	REMARKS
17	SATURN IB (FORE SHORTENED)	1.10	O	R ₄ /ET WILL BE -19.2 4 X 10 ⁶ FOR THE RE - -12 MAINDER OF THE TEST UNLESS -8 ^{**} B.F. & S.A.T.E. -6 ^{**} OTHERWISE NOTED.	0	12.95 PSI	282	A: C _m FORCE FIN = 0, ± 5, ± 10, ± 15, ± 20, ± 40, ± 60, ± 80 * OBTAINED BUFFET DATA FOR 30 SEC # PITCH FORCE FIN TO ZERO NORMAL FORCE
							283	
							284	
							285	GOT SAME FIN PITCH DATA AT M = 1.15 BY MISTAKE. SEE C _m = 0 DATA - 8 - C _m - 10
							286	BY C.T.
							287	
							288	
							289	
							290	
							291	
							292	
							293	
							294	
							295	
16	SATURN IB (COSMETIC SHORTENED)	1.05	O*			13.05 PSI		
	START 0446	-12	*				311/312	
	CONFIG 3	-8	*				313	
	3-FIN SET-UP	-6	*				314	
		-4	*				315	
		-2	*				316	
		C	*				317	
		Z	*				318	
		4	*				319	
		6	*				320	
		8	*				321	
		10					322	
		12					323	
		0					324	
		0609					325	

DATE 14 OCT 1964
 FACILITY 11' X 11' ARC
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TEST PROGRAM

RUN NO.	CONFIGURATION	M	∞	TEST	CONDITION	θ	INFO TOTAL	TUNNEL COORDIN. U.O.	REMARKS
15	SATURN IB (FORESHORTENED)	1.0	OA			0°	13.2 PSI		A. $\alpha_{space-fin} = 0_2 \pm 1_1, \pm 1.5, \pm 2_2, \pm 4_4, \pm 6_6, \pm 8_8$ * OBTAINED BUFFET DATA FOR 30 SEC
	CONFIG. 3	-12							
	B _F SITE.	-8*							
		-6*							
		-4*							
		-2**							
		O*							
		2**							
		A*							
		G*							
		B**							
		12							
		14.2							
		O							
14	SATURN IB (Fore Shortened)	.95	OA			0°	13.35		
	CONFIG. 3	-12							
	B _F SITE.	-8*							
		-6*							
		-4*							
		-2*							
		O*							
		+2*							
		4*							
		G*							
		8*							
		12							
		14.2							
		O							

DATE 10-19-69
 FACILITY ARC II XIFT
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CHRYSLER
 CORPORATION

SPACE
 DIVISION

TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ°	Δ_{HFO}	TUNNEL P ₇₅₀	COORD. No.	REMARKS
13	SATURN IB (Foreshortened)	.90	0A		0		13.6 PSI		A: & FORE FIN = 0, ± 5, 1, 5, 2, 4, 6, 8
		-1/2							
	CONFIG 3	-1/2							
		-8**							
	START 0930	-6*							
		-6							
	BFG SATE.	-9*							
		-2**							
		0**							
		2**							
		4*							
		6*							
		8**							
		1/2							
		1/2	0						
11	SATURN IB (Foreshortened)	.80	0A		0		14.35		
		-1/2							
	CONFIG 3	-1/2							
		-8**							
	BFG SATE.	-6*							
		-4*							
		-2**							
		0**							
		2**							
		4*							
		6*							
		8**							
		1/2							
		1/2	0						

DATE 10-14-64
 FACILITY AIRC 11x11'
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TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	α_{Nf0}	TUNNEL COUNT No.	REMARKS
10	Saturn 1B (Fore - Shortened)	0.70	0 A	-14.2	0	15.47	457	A : α FORCE FIN = 0, $\pm .5, \pm 1.0, \pm 1.5, \pm 2, \pm 4, \pm 6, \pm 8$
	Config. 3	-12					458	* BUFFET DATA OBTAINED FOR 30 SEC
	BF F8 T.E.	-8*	*		+7.8, +18	459	* PITCH FIN TO ZERO NORMAL FORCE	
		-6*			+6.6, +16	460	WIND OFF Anger reading N = -1ct, M = +5cts, L = +1cts	
		-4*			+5.2, +5.2	461	PRIOR TO CONTINUATION OF RUN 9	
		-2*	*		+7.9, 3.2	462		
		0*	*		+8.8, 1.6	463		
		2**			-3, -5	464		
		4*			-2.1, -2.1	465		
		6*			-4.2, -4.1	466		
		8**			-5.9, -5.9	467		
		12			-6.8	468		
		14.2			-7.7	469		
		0			-7.7	470		
21	Saturn 1B Foreshort - 0.70	0		Test Tunnel 1000 ft end of 70" dia. tanks closed	15.46	475	remained full papers on aft end of 70" dia. tanks model changed in 18 min.	
	Config. 4	-12				476	Polaroid pictures prior to run	
	BF F8 T.E.	-8*			+97.9, 6	477	PILOT TO RUN	
		-6*			18.1.7	478	did NOT TURN OUT	
		-4*			5.8, 5.9	479	good. Will get	
		-2*			3.9, 3.6	480	pictures after shutdown	
		0*			1.9, 1.8	481		
		2*			0, 0	482		
		4*			-16, -17	483		
		6*			-3.2, -3.2	484		
		8*			-4.3, -4.3	485		
		12			-4.6	486		
		14.2			-4.7	487		
		0			-4.8	488		
								Det data pt 022310 Shut down for the day, had anticipated fineness 4.11 4-4:30 P.M.
								REAR VIEW CONFIG 4

DATE 10-15-64
 FACILITY Ames 11x11'
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TEST PROGRAM

CHRYSLER CORPORATION
 SPACE DIVISION

RUN NO.	CONFIGURATION	M	α _m	TEST CONDITION	φ	ON NO	TUNNEL Schematic No Total R ₀₀	REMARKS
31	SATURN IB Fore - shortened	1.35	-14.2	DIDN'T GET STARTED UNTIL ≈ 11:30AM BECAUSE OF TUNNEL PULSE. (10-15-64)	90°	13.05PSI 459	495	ORIFICE 115 (CROSSING) IS QUESTIONABLE ★ PITCH FIN TO ZERO NORMAL FORCE OBTAINED BUFFET DATA FOR 30 SEC.
	Config. 4 BF85 T ₀ E ₀	-12*	-8**	-6*	+12.5+12.8	97.95	496	FLEXWRITER PRINTED OUT -8.11° FOR COORD NO 996 AND 17.92 FOR COORD NO 504. THIS IS BECAUSE OF THE INABILITY OF DISCRIMINATING THE DANGLEOMETER
		-4*	-4*	-4*	18.9+8.2	497		
		-2**	-2**	-6.9+6.2	498		CALIBRATION WITH A SLOPE AND AN INTERCEPT. WE CHECKED THESE ANGLES BY THE BECHMAN COUNTS AND FOUND THE ± ANGLES TO BE WITHIN .02° OF EACH OTHER. THIS SITUATION HOLDS FOR ALL FINAL ANGLES OF ATTACK.	
		0**	2**	+9.5+9.9	499	500		
		4*	6*	+12.0+1.8	501	502		
		6*	8**	+9.9+9	503	504		
		12*	12*	+12.1+1.1	505	505		
		14.2	0	+10.1+1.1	506	507		
		0	+8	+2.1	507	508	+ 8° ON CHECK POINT LOOKS GOOD	
30	SATURN IB(FORESHORTENED) CONFIG. 4 BF85 T ₀ E ₀	1.20	-14.2	START TAKING DATA AT 2:53AM (10-15-64)	90	13.1	509	Equipment
		-12*	-8**	-6*	+12.8+12.7	510		
		-6*	-6*	-4*	+13.5+9.3	511		
		-4*	-4*	-4*	+8.1+8.0	512		
		-2**	-2**	-2**	+9.7+6.1	513		
		0**	0**	0**	+9.9+9.3	514		
		+2**	+2**	+2**	+2.9+2.2	515		
		4*	4*	4*	+11.2+1.2	516		
		6*	6*	6*	+6.5	517		
		8**	8**	8**	+2.5+2.3	518		
		12*	12*	12*	-3.1+3.4	519		
		14.2	0	14.2	-9.0+3.8	520		
		0	0	0	END RUN 30 AT 3:48 AM	521		
						522		

DATE 10-15-C4
FACILITY 1/XII ARC
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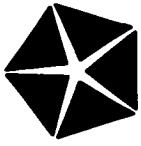
TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST	CONDITION	ϕ'	α_{yro}	TUNNEL COORD No.	REMARKS
28	SATURN IB(FORESHORTENED)	1.10	-19.2	STARTED	TAKING DATA AT 9:00 AM	90	13.15	523	* PITCH FIN TO ZERO NORMAL FORCE
	CONFIG A	-12						524	* OBTAINED BUFFET DATA FOR 30 SEC.
	BFE SETTEO		-8**					525	
		-6*					+8.7-8.5	526	
		-9*					+6.7-6.5	527	
		-2**					+9.6+9.6	528	
		0**					+2.7+2.7	529	
		2**					+1.9+1.9	530	
		4*					-1 0	531	
		6*					-1.3-1.1	532	
		8**					+2.6-2.7	533	
		12						534	
		19.2						535	
		0		STOPPED AT 4:55AM				536	
27	SATURN IB(FORESHORTENED)	1.05	-19.2	STARTED AT 5:00AM	90	13.10	537	538	END TEST
	CONFIG A	-12						539	
	BFE SETTEO	-8*					+10.6-10.3	540	
		-6*					+8.9+8.6	541	
		-9*					+6.9+6.7	542	
		-2*					+9.7+9.6	543	
		0*					+2.7+2.9	544	
		2*					+1.3+1.3	545	
		4*					-1.3 -1.3	546	
		6*					-2.0-2.0	547	
		8*					-3.0-3.0	548	
		12						549	
		19.2						550	
		0		STOPPED AT 6:00AM					

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 FACILITY ARC II X11
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CHRYSLER
 CORPORATION

TEST PROGRAM



RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ°	χ_{NFO}	TUNNEL TOTAL $P_{T_{\infty}}$	SCHLIFERON COORD N.A.	REMARKS
26	SATURN IB (FORESHORTENED)	1.00	-19.2	START \approx C:05AM (10-15)	00		13.72 PSI	551	* PITCH FIN TO ZERO NORMAL FORCE * OBTAINED BUFFET DATA FOR 30 SEC.
	Bf \bar{F}_A STATE ₀	-8**				146 +0.3		552	
	CONFIG. 4	-C*				+8.9 +8.6		553	
		-9*				+1.8 +6.6		554	
		-2**				+4.6 +4.5		555	
		0**				+2.7 +2.8		556	
		2**				+1.0 +1.0		557	
		4*				-1.1 -1.6		558	
		C*				+2.1 -1.9		559	
		8**				+3.3 +3.1		560	
		12						561	NO DATA
		19.2						562	
		0		STOPPED \approx 7:00 AM				563	
								564	
25	SATURN IB (FORESHORTENED)	.25	-19.2	START \approx 7:06 AM 10/15	30			565	
	Bf \bar{F}_A STATE ₀	-12						566	
	CONFIG. 4	-B*				+102 +0.0		567	
		-C*				+8.9 +8.9		568	
		-9*				+6.7 +6.3		569	
		-2*				+4.6 +4.3		570	
		0*				+2.6 +2.3		571	
		2*				+1.4 +1.5		572	
		4*				+1.9 +1.9		573	
		C*				+3.1 +3.2		574	
		8*				+9.3 +4.5		575	
		12						576	
		19.2						577	
		0		STOP 8:07				578	

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 FACILITY Arc 1111FT
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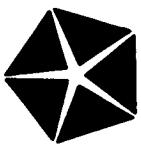
TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ'	α_{ref}	TUNNEL COORDINATE TOTAL $P_{T\infty}$	COORD NO.	REMARKS
21	SATURN IB (FORESHORTENED)	.90	-1/2	START 8:19 AM	90°		13.6 PSI	573	* PITCH FIN TO ZERO NORMAL FORCE
			-12					580	* OBTAINED BUFFET DATA FOR .30 SEC.
	BE FG SET E _o	-8**			+29.52			581	
	CONFIG 4	-6*			+77.75			582	
		-4*			+59.57			583	COORD NO 581. DATA OBTAINED WITH FORCE
		-29**			+39.37			584	FIN BEING DRIVEN.
		0**			+17.44			585	COORD. NO 582 IS OK
		2**			-2 -1			586	
		4*			-21 -21			587	
		6*			-35.35			588	
		8**			-18.43			589	
		12						590	L
		192						591	MEN
		1	0	STOP 9:00AM				592	
								593	
22	SATURN IB (FORESHORTENED)	.80	-1/2	START 9:12 AM	90°		14.3	594	NO PIC TURES,
			-12					595	
	BE FG SET E _o	-8**			+9.5 +9.3			596	
	CONFIG 4	-6*			+77.75			597	
		-4*			+56.56			598	
		-29**			+36.36			599	
		0**			+16.16			600	
		2**			-1 -1			601	
		4*			-17 -17			602	
		6*			-33 -39			603	
		8**			+9.5 +9.6			604	
		12						605	
		192						606	
		1	0	STOP 10:15				607	V

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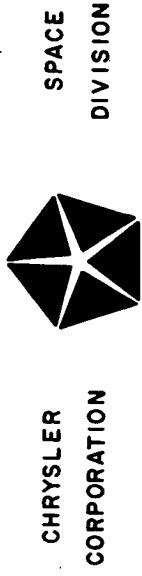
TEST PROGRAM



SPACE
 DIVISION

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	Anteo	Tunnel Total	Schlieren Count No.	REMARKS
42	Saturn IB (Foreshortened) end) BE FG STATE. Config. 5	1.35	-14.2	START 100 AM (10-16)	45°	13.1 PSI	C1A		Antenna panels were rotated 45° resulting in loss of pressure taps located on them (verified)
			-12	TUNNEL PULSE FROM 12:00			615		No. 115 thru 123) Retire you will (a massive stage
			-8*	To 11.00			616		and cable tunnels on 701N. Digs, tanks were
			-6*				617		MOVED. Base plate was isolated +45° & turbine
			-4*				618		exhaust ducts were rotated 45° BUFFET TRANSDUCER
			-2*	+WFRM FINS			619		NO 301 COVERED BY ROTATED ANTENNA PANEL
			0 *	FONCER FIN			620		* PITCH FIN TO ZERO NORMAL FORCE
			2*				621		* OBTAINED BUFFET DATA FOR 30 SEC.
			4*				622		OBSERVED HIGHER BUFFET LEVELS AT
			6*				623		THIS ROLL ANGLE ON SAME BUFFET
			8*				624		TRANSDUCERS HENCE RECORDED DATA
			12	SJB STAGE REAR VIEW			625		AT $\alpha_m = 0$
			14	STOP $\approx 2:00$ AM			626		COULD NOT GET THE ZERO NORMAL
			14				627		FORCE ANGLE, ESTIMATED TO BE APPROX +14 TO 15°
41	SATURN IB (Foreshortened) BE FG STATE. Config 5	1.20	-19.2	START $\approx 2:05$ AM	45°	13.1	628	2	
			-12				629		
			-8*				630		
			-6*				631		
			-4*				632		
			-2*				633		
			0*				634		STARTED TAKING PICTURES AT COORD NO. C39
			2*				635		GOT PICTURES FROM COORD NUMBER C39 TO C40
			4*				636		
			6*				637		
			8*				638		
			12				639		
			14				640		
			0	STOP 3:05 AM			641		CA1 nops,

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TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	DRHO	TUNNEL TOTAL P _{ext}	SCHLEICHEN COORD. NO.	REMARKS
35	SATURN IB (FORE SHORTENED)	1.0	-19.2	START 3:10 AM	45°		13.1 PSI	692	* PITCH FIN TO ZERO NORMAL FORCE
	B-FR STAB E.	-12*					693		
	CONFIG 5	-6*					694		△ COULD NOT PITCH FIN TO ZERO NORMAL FORCE. DUE TO APPROX 14 TO 15°
		-9*					695		
		-9.6					696		
		-2*					697		
		0*				+6.8 +9.3	698		GOT PICTURES FROM C98 THRU C54
		2*				+1.6 +9	699		
		4*				-1.7 -1.9	700		
		6*				-9.5 -9.3	701		
		8*				-6.9 -6.8	702		
		12					703		COORD NO. 652 IS ALSO ON THE SCHLEICHEN
		19.2					704		PICTURE FOR $\alpha_m = 12^\circ$
38	SATURN IB (FORE SHORTENED)	1.05	-19.2	START 4:02 AM	45°		13.1 PSI	654	
	B-FR STAB E.	-12					655		
	CONFIG 5	-6*					656		△
		-9*				+12.3 +11.8	657		
		-2*				+7.8 +9.3	658		
		0*				+7.1 +6.6	659		
		2*				+9.9 +9.1	660		
		4*				+15 +13	661		
		6*				-1.9 -1.7	662		
		8*				-9.8 -9.5	663		
		12				7.3 2.1	664		
		19.2					665		
		0					666		
							667		
							668		
							669		No pic

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TEST PROGRAM

RUN NO.	CONFIGURATION	M	α _m	TEST CONDITION	φ	α _{MFO}	TOTAL COORD PTC NO.	REMARKS
37	SATURN IB (FORESHORTENED)	1.00	-14.2	START 5.05AM	45°	13.2 PSI	670	* PITCH THE FIN TO ZERO NORMAL FORCE
	BEF STABE	-12					671	
	CONFIG 5	-8*					672	COULD NOT GET φ _{mo} . ESTIMATED TO 45°
		-6*					673	APPROX. 14 TO 15°
		-9*					674	
		-2*					675	
	O*						676	GOT SCHLIEREN PICTURES AT COORD NO. 676
	2*						677	THRU 682
	4*						678	
	6*						679	
	8*						680	
	12						681	
	14.2						682	
	0			STOP 6:00AM			683	NO PIC
36	SATURN IB (FORESHORTENED)	55	-14.2	START 6:05AM	45°	13.3	684	
	BEF STABE	-12		STOP 6:22AM START 7:15			685	
	CONFIG 5	-8*					687	DOWN AT 6:22AM BECAUSE OF INSTRUMENTATION
		-6*					688	PROBLEMS. UP AT 7:15 AM
		-9*					689	
		-2*					690	
	O*						691	
	2*						692	
	4*						693	
	6*						692	
	8*						691	THESE COORD NO WERE PUT ON SCROLLER
	12						695	BY MISTAKE
	14.2						696	
	0			STOP 8:25AM			697	
							698	

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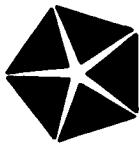


TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	TUNNEL COORD. TOTAL P. _{TUN}	COORD. NO.	REMARKS
35	SATURN IB (FORESHORTENED)	.80	-14.2	START 8:30 AM	45°		629	PITCH FIN TO ZERO NORMAL FORCE.
	B.F. STATE.	-12				700		
	CONFIG S	-8*				701	COULD NOT PITCH FIN TO ZERO	
		-6*				702	NORMAL FORCE. AND APPROX +14°	
		-9*				703		
		-2*				704		
		0*				705	OBTAINED SCHLIEREN PICTURES FROM	
		2*				706	COORD NO 705 THRU 711	
		4*				707		
		6*				708		
		8*				709		
		..				710		
		12		STOP 5:30 AM		711		
		0				712 NO AC		
33	SATURN IB (FORESHORTENED)	.80	-14.2	START 9:40 AM	45		713	
	B.F. STATE	-12				714		
	CONFIG S	-8*				715		
		-6*				716		
		-4*				717		
		-2*				718	OBTAINED SCHLIEREN PICTURES FROM	
		0*				719	COORD. NO 713 THRU 725	
		2*				720		
		4*				721		
		6*				722		
		8*				723		
		12				724		
		14.2				725		
		0		STOP 10:30 AM		726		

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CHRYSLER
 CORPORATION



TEST PROGRAM

RUN NO.	CONFIGURATION	M	OC _m	TEST CONDITION	Φ _{CONF}	TUNNEL P _{T₀₀}	COORD NO	REMARKS
32	SATURN IB (FORESHORTENED)	.70	-1/2	START 10:50	45	15.3	727	* PITCH THE FIN TO ZERO NORMAL FORCE
	B.F. & T.E. CONFIG 6	-8*				728		
		-C*				729	NO SCHLIEREN PICTURES THIS RUN	
		-9*				730	A: CHARGE = 0, ±5, ±10, ±2, ±4, ±6, ±8 Z AS A CHECK	
		-2*				731		
		0*				732		
		2*				733	checked sign of fin forces & angle	
		4*				734	checked sign of T.E.D. moments	
		6*				735		
		8*				736		
		12				737		
		14.2				738		
	O ₁	STOP 11:55AM (0-16-64)				739		
						740		
53	SATURN IB (Fore - shortened)	1.35	O ₁	start tunnel 12:55PM	25°	13.2	776	+ check trunnion amplitude limit and take
	B.F. & T.E. Config 6	-14.2		1:30 PM			777	data if increased over previous runs of course
		-12					778	
		-8*					779	
		-6*					780	
		-4*					781	
		-2*					782	
		0*+					783	
		2*					784	
		4*					785	
		6*					786	
		8*					787	
		12					788	
		14.2					789	
	O	Stop 2:40					790	

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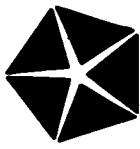


TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_{cm}	TEST CONDITION	ϕ	α_{roll}	TUNNEL SCHOTTEL THERM. NO.	TUNNEL THERM. NO.	REMARKS
52	SATURN IB (Fore-shortened) BFSAT-E ₀	1.20	0	START 4:00PM (BECAUSE TUNNEL PRESSURE)	-14.2		12.9 PS1	8078A/821	+ check right pressure against left - config with fixtures runs at same Mach no.
	CONFIG C	-12					822		
		-8*	possible		-11.2 -11.1		823		* static force fin to zero Normal Force
		-6*	FIN		-9.5 -8.5		824		AI: α_{FNEUT} $0.15 \pm 1.5 \pm 2 \pm 4 \pm 6 \pm 8$
		-4*	horizontal		-5.9 -5.9		825		check weights were hung on THE balance scale
		-2*	vertical		-2.1 -2.5		826		to run 52. looks good
		0	+/-				827		
		2*			12.1 +2.0		828		
		4*			14.8 +4.1		829		instrumented tie duct removed
		6*	CONFIG. C		17.7 +7.8		830		
		8 & B			NOB, NOJ		831		BEFORE RUN 52 FIN BALANCE B WAS CHECKED
							832		LOADED WITH AXIAL FORCE AND AXIAL
		12					833		FORCE MOMENT AND THE NORMAL FORCE
		14.2					834		GAGES MONITORED. BALANCE B WAS NOT
		0	STOP 5:20 AM				835		SENSITIVE TO PURE AXIAL FORCE BUT
									NORMAL FORCE WAS SENSITIVE TO AXIAL FORCE
									MOMENT. NORMAL FORCE WAS ABOUT
							873		TWICE AS SENSITIVE TO AXIAL FORCE
							874		MOMENT THAN TO NORMAL FORCE IT
							875		IS ASSUMED FIN BALANCE A, THE BALANCE
							876		/N THE MODEL IS ALSO VERY SENSITIVE
							877		TO AXIAL FORCE MOMENT
							878		* FOR RUN 53 ON, THE COUNTS ON THE
							879		NORMAL FORCE GAGE AT $\alpha_m = 0$ AND
							880		$\alpha_{FNEUT} = 0$ WAS USED AS THE ZERO SN
							881		POINT HENCE ALL α_m AT $\alpha_m = 0$
							882		WILL BE ZERO
							883		B: $\alpha_{FNEUT} = 0, \pm 5, \pm 1, \pm 15, \pm 2, \pm 9$
							884		
							885		
							886		

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TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_M	TEST CONDITION	φ₁	φ₂	TURBINE P_{in}	TURBINE P_{out}	COORD NO.	REMARKS
49	SATURN IB (FORE SHORTENED)	1.05	O ^A	START C: 9:51 AM	225°				894	A: CHARGE FIN = O, ± 5.5, ± 1.5, ± 3, ± 4, ± 6, ± 8 FIN DATA
	BE FAS T E _o	-1/2							897	PITCH FIN = O, ± 5.5, ± 1.5, ± 2, ± 4
	CONFIG C	-8*							898	B: CHARGE FIN = O, ± 5.5, ± 1.5, ± 2, ± 4
		-C*							899	
		-1*							890	DATA based on Normal Force constants at initial
		-2*							891	zero down force off -137
		0*							892	
		2*							893	
		4*							894	
		6*							895	
		8*							896	
		1/2							897	DATA
									898	926
									899	
									900	
				STOP 7:38 AM						
				O						
48	SATURN IB (FORE SHORTENED)	1.00	O ^A	START 8:22 AM	225°				921	13.5 PSIA 921 THRO. 941 ← FIN DATA (A)
	BE FAS T E _o	-1/2							922	
	CONFIG C	-8*							923	
	CONFIG C	-C*							924	
		-4*							925	
		-2*							926	
		0*							927	
		2*							928	
		4*							929	
		6*							930	
		8*							931	
		1/2							932	
									933	
									934	
									935	
									936	
									937	
									938	
									939	
									940	
									941	
									942	
									943	
									944	
									945	
									946	

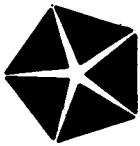
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TEST PROGRAM

RUN NO.	CONFIGURATION	M	OCM	TEST CONDITION	Φ	Δ, WO	TIME	COORD	REMARKS
47	SATURN I B (ORE SHORTESTENO)	.95	0A	START 9:35	225°			981 1004 105	A: Δ Force & Fin 0 ± .5 ± 1, ± 1.5 ± 2, ± 4, ± 6, ± 8
		-14.2			1			916 7	B: Pitch Fin To ZERO
	BE FA SA T2 EO	-12						916 8	C: Δ Force & Fin 0 ± .5, ± 1, ± 1.5, ± 2, ± 4
	Config 6	-8*				-16.5, -16.5		916 9	
		-6*				-8.6, -8.4		916 10	
		-4*				-6.1, -6.3		916 11	
		-2*				-3.3, -2.1		916 12	
		0*				-11.0 NFE		916 13	
		2*				-14.4, -12.1		916 14	
		4*				-5.3, +5.1		916 15	
		6*				+8.9, +8.7		916 16	
		.8**				+16.9, +16.3		916 17	998.9002 FIN data (B)
		12						916 18	
		14.2						916 19	
		0		FINISH 10:350				916 20	
								1007 1h 40m 1021	→ FIN DATA (A)
46	SATURN I B	.90	0A	START 10:55	225°			1022	
	(ORE SHORTESTENO)	-14.2						1023	
	BE FA SA T2 EO	-12						1024	
	Config 6	-8*				-16.7, -16.4		1025	
		-6*				-8.5, -8.6		1026	
		-4*				-6.0, -6.0		1027	
		-2*				-3.1, -2.0		1028	
		0*				-7.7 NFEs		1029	
		2*				-2.9, -2.2		1030	
		4*				-5.1, -4.9		1031	
		6*				-6.3, -5.2		1032	
		8**				+16.9, +16.4		1033	1022.4002 FIN data (B)
		12						1034	
		14.2						1035	
		0		LIFT PT	12:15 PM			1036	

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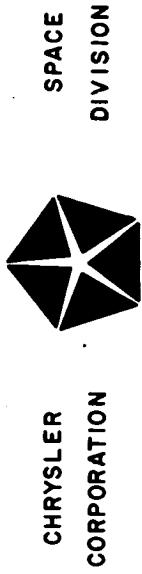


CHRYSLER
CORPORATION

TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ^*	X _{FE}	TUNNEL Total P _{ext}	Cool. No.	REMARKS
4A	Saturn 1B (Face - Shortened)	0.8	0	Struct	12:22 PM	22.6° -18.6NF	14.4 PSIM	1047	A: Pitch Force Fin to Normal Force etc indicated at angle = 0
	BFG So T ₃ E ₀	-12	*					1048	*: Pitch Fin to Normal Force Fin to 0, ±.5, ±1.0, ±1.5, ±2, ±4
	Config C	-8	*			-10.7, 10.1		1049	
		-6	*			-8.6, -8.3		1050	At $\alpha_m = \alpha_{\infty} = 0^\circ$ it is assumed that there is no upwash. This is done because of the small force moment interaction on Normal Force
		-4	*			-5.5, -5.5		1051	
		-2	*			-3.1, -3.0		1052	
		0				-0.53		1053	
		2	*			-0.33 + 2.1		1054	
		4	*			-1.6 + 5.0		1055	
		6	*			-7.8 + 7.8		1056	
		8	*B			-10.2, 10.1		1057	1076 1086
		12						1058	
		14.2		Struct pt	12:28			1059	1060 1061
		0	*					1060	1079
43	0.7	0	Struct	21:03	22.5° - Station	14.4 S		1113	
		-14.2						1114	
		-12						1115	
		-8	*			-11.0, -11.4		1116	
		-6	*			-11.1, -8.1		1117	
		-4	*			-11.1, -5.5		1118	
		-2	*			-2.9, -2.7		1119	
		0				-0.53 NF		1120	
		2	*			-1.5, 2.3		1121	
		4	*			-5.2, 5.0		1122	
		6	*			-10, 7.9		1123	
		8	*B			-10.7, 10.7		1124	1027 1028 } for Data
		12						1125	
		14.2		Struct pt	13:04			1126	
		0	*					1127	1081 1082 } for Data

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TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	α_{nfo}	TUNNEL P_{ext}	Coard No.	REMARKS
204	Saturn 1B (Force Shortened)	1.35	0	start 3:21 P.M.	22.5°	-128.0 kN	13.47 atm	1128	A: Pitch Force Fin to $\phi = 0, \alpha_{nfo} = 11.0, \alpha_m = 6.5, \phi = 2, \alpha_m = 4, \alpha_{nfo} = 6, \alpha_m = 8$
		-8*		Run 209 was run to obtain config. THAT WAS NOT OBTAINED ON RUN 53	11.5°, 10.9°	-55.5°	11.29	1129	*: Pitch Force Fin to Neutral Force. C: $\alpha_m = 0, \alpha_{nfo} = 0$
	B.F. S. T.E.	-4*					11.30	1130	B: Pitch Force Fin to $\phi = 0, \alpha_{nfo} = 0, \alpha_m = 0.5, \phi = 1.5, \alpha_{nfo} = 2, \alpha_m = 9$
	Config. 6	8*					11.31	1131	Start wind off 2 kNOS + 0.013 N
		4*					11.32	1132	Calibrate + 8.091 + 8.510 + 7.946 - 0.026
		1	0	Set pt. 343	10°, 10.1°	-135.0 kN	11.33	1133	Stop wind off 2 kNOS - 0.009 - 0.118 - 0.055
60	Saturn 1B (Force Shortened)	1.35	-14.2	Set 7.03 -8 -4 0 4 8 14.2 0	Set 7.03 -8 -4 0 4 8 14.2 0	+315° no fin inst. skirt inst. skirt inst. skirt inst. skirt inst. skirt inst. skirt inst. skirt	13.4	1143, 1144	≈ 1 hr. to change model
						rotation		1145	Model changed to position shown in Test
	B.F. S. T.E.							1146	Condition column. Antenna panels were rotated 45° to proper position relative to fins & engine skirts
	Config. 7							1147	
								1148	
								1149	
								1150	Force Fin will not be rotated from run 60 on
								1151	
								1152	Start wind off 2 zeros second
								1153	Calibrate Coard. No. 1141
								1154	
								1155	
								1156	
								1157	
								1158	
								1159	
								1160	
								1161	
								1162	
								1163	
								1164	
								1165	
								1166	
								1167	

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SPACE
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TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	TUNNEL Total $P_{T\infty}$	Coverd No.	REMARKS
57	Saturn IB (Fore- Shortened) BFS S _o T _{1E} _o Config 7	-14.2	Start 9:12	+315°	13.76 psia	1168		S: Schlieren pictures taken
		-8				1169		
		-4				1170		
		0				1171 S		
		4				1172		
		8				1173 S		
		14.2				1174 S		
		0	End pt. 9:38			1175		
56	0.95 -14.2	Start 9:41			14.0	1176		
	-8					1177		
	-4					1178		
	0					1179		
	4					1180		
	8					1181		
	14.2					1182		
	0	End 10:19				1183		
						14.27	1184	
55	0.90 -14.2	Start 10:29				1185		
	-8					1186		
	-4					1187		
	0					1188		
	4					1189		
	8					1190		
	14.2					1191		
	0	End pt. 10:51						
54	0.80 -14.2	Start 10:58			15.0	1192		
	-8					1193		
	-4					1194		
	0					1195		
	4					1196		
	8					1197		
	14.2					1198		
	0	End pt 11:25				1199		

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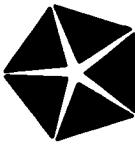
TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	TUNNEL COORD. No.	TOTAL R. No.	REMARKS
71	Saturn 1B (Fore - Shorten 1) SF ₃ SA E. Config. 8	-1.35	-14.2	START 12:30 AM (0-20-4)	180°	13.9 PSIA	1204	All turbine exhaust ducts removed.
		-12					1205	No base cooling air scoops except on engine starts
		-8					1206	
		-4					1207	
		-2					1208	
		0					1209	
		2					1210	
		4					1211	
		6					1212	
		8					1213	
		12		S-13 STAGE REAR VIEW CONFIGURATION 8			1214	
		14.2					1215	
		0		STOP 1:20 AM			1216	
							1217	
70		1.20	-14.2	START 1:29 AM	180°	13.3 PSIA	1218	
			-12				1219	
			-8				1220	
			-6				1221	
			-4				1222	
			-2				1223	
			0				1224	
			2				1225	
			4				1226	
			6				1227	
			8				1228	
			12				1229	
			14.2				1230	
			0	STOP 2:13 AM			1231	

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TEST PROGRAM

RUN NO.	CONFIGURATION	M	OC _H	TEST CONDITION	Φ	TURBINE P _{in}	C _{O2CO} NO.	REMARKS
68	SATURN IB (FORESHORTENED)	1.10	-14.2	START 2:18 AM	180°	13.4 psia	1232	
	BFE SA E _o	-8				1233		
	CONFIG 8	-6				1234		
		-9				1235		
		-2				1236		
		0				1237		
		2				1238		
		9				1239		
		6				1240		
		8				1241		
		12				1242		
		-14.2				1243		
		0		STOP 3:05 AM		1244		
						1245		
67	SATURN IB (FORESHORTENED)	1.05	-14.2	START 3:13 AM	180°	13.5 psia	1246	
	BFE SA E _o	-12				1247		
	CONFIG 8	-8				1248		
		-6				1249		
		-9				1250		
		-2				1251		
		0				1252		
		2				1253		
		9				1254		
		6				1255		
		8				1256		
		12				1257		
		-14.2				1258		
		0		STOP 3:56 AM		1259		
						1260		

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FACILITY ARC/LXI/LIFT
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TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	TOPPS R ₂	COOKE No.	REMARKS
CC	SATURN IB (FORESHORTENED)	1.00	-14.2	START 4:07 AM	180°	13.7 psia	1260	
	B/EFS E ₀	-8					1261	
	CONFIG B	-6					1262	
		-4					1263	
		-2					1264	
		0					1265	
		2					1266	
		4					1267	
		6					1268	
		8					1269	
		12					1270	
		14.2					1271	
		1	0	STOP 4:49 AM			1272	
							1273	
65	SATURN IB (FORESHORTENED)	.95	-14.2	START 9:57 AM	180	14.05 psia	1274	
	B/EFS E ₀	-8					1275	
	CONFIG B	-6					1276	
		-4					1277	
		-2					1278	
		0					1279	
		2					1280	
		4					1281	
		6					1282	
		8					1283	
		12					1284	
		14.2					1285	
		1	0	STOP 5:38 AM			1286	
							1287	

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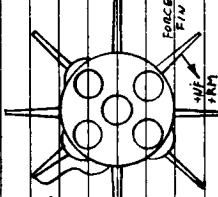
RUN NO.	CONFIGURATION	M	α_1	TEST CONDITION	ϕ	TUNNEL TOTAL PRESSURE	COORD. NO.	REMARKS
C1	SATURN IB (FORESHORTENED)	.30	-19.2	START 5:47 AM	180°	14.1 psia	1288	
			-12				1289	
	BE F8 S4 E0		-8				1290	
	CONFIG. 8		-6				1291	
			-9				1292	
			-2				1293	
			0				1294	
			2				1295	
			4				1296	
			6				1297	
			8				1298	
			12				1299	
			14.2				1300	
		1	0	STOP C:39	▼		1301	
C2	SATURN IB (FORESHORTENED)	.80	-19.2	START 6:41	180	14.8 psia	1302	
			-12				1303	
	BE F8 S4 E0		-8				1304	
	CONFIG. 8		-6				1305	
			-9				1306	
			-2				1307	
			0				1308	
			2				1309	
			4				1310	
			6				1311	
			8				1312	
			12				1313	
			19.2		▼		1314	
		0	STOP 7:30 AM	▼			1315	

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 FACILITY UXI FT A/C
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TEST PROGRAM

RUN NO.	CONFIGURATION	M	α _m	TEST CONDITION	Φ	TURBEC COORD. TOTAL P _{in} NO.	REMARKS
61	SATURN IB (Foreshortened)	.70	-14.2	START 7:36	/80	15.7 psia 1316	
	B _F FS ₂ E _o	-12				1317	
	CONFIG. 8	-8				1318	
		-6				1319	
		-4				1320	
		-2				1321	
		0				1322	
		2				1323	
		4				1324	
		6				1325	
		8				1326	
		12				1327	
		14.2				1328	
		0		STOP 8:44 AM		1329	
82	SATURN IB (Foreshortened)	1.35	-14.2	START	+270	13.9 psia 1333	NO ENGINE SHIRT BEHIND FORCE FIN.
	B _F FS ₂ E _o	-12				1334	RUNS 82 THRU 72
	CONFIG 9	-8				1335	CHECKED POSITIVE DIRECTION OF FORCE
		-6				1336	FIN FORCES AND MOMENTS.
		-4				1337	
		-2				1338	
		0				1339	
		2				1340	
		4				1341	
		6				1342	
		8				1343	
		12				1344	
		14.2				1345	
		0		STOP		1346	



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RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ °	TUNNEL COORD. TOTAL P _{ext}	COORD. NO.	REMARKS
81	SATURN IB (FORE SHORTENED) B/E S.E. CONFIG 3	1.20	-19.2	START	+270°	13.3 PSIA	1347	
			-2				1348	
			-8				1349	
			-6				1350	
			-4				1351	
			-2				1352	
			0				1353	
			2				1354	
			4				1355	
			6				1356	
			8				1357	
			1/2				1358	
			19.2				1359	
			0	STOP			1360	
79	SATURN IB (FORE SHORTESED) B/E S.E. CONFIG 3	1.10	-19.2	START	+270	13.5 05 in	1361	
			-2				1362	
			-8				1363	
			-6				1364	
			-4				1365	
			-2				1366	
			0				1367	
			2				1368	
			4				1369	
			6				1370	
			8				1371	
			1/2				1372	
			19.2				1373	
			0	STOP	104		1374	

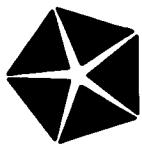
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TEST PROGRAM

RUN NO.	CONFIGURATION	M	∞_M	TEST CONDITION	ϕ	TUNNEL COORD. No.	REMARKS
78	Saturn IB (Forces shortened)	-1.05	-14.2	Start 1:20	270	13.58 P.M.	
			-12			1376	
	BFF SAE Eo	-8				1377	
	Config. 9	-6				1378	
		-4				1379	
		-2				1380	
		0				1381	
		2				1382	
		4				1383	
		6	1.58			1384	
		8				1385	
		12				1386	
		14.2				1387	
		0	6.4 ft 2.09			1388	2:10 P.M. Flowsheet began operation
		1.00	-14.2	Start 2:50		1389	
			-12			1390	
		-8				1391	
		-6				1392	
		-4				1393	
		-2				1394	
		0				1395	
		2				1396	
		4				1397	
		6				1398	
		8				1399	
		12				1400	
		14.2				1401	
		0	6.4 ft 1.1			1402	
						1403	

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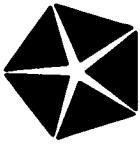
CHRYSLER
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RUN NO.	CONFIGURATION	M	OC _n	TEST CONDITION	φ	TUNNEL COORD. TOTAL READING	REMARKS
76	Saturn 1B (Fore- Shortened)	-14.2	Stuck 3.19	270°	14.0	1404	
	BF8 S1, E ₀	-12				1405	
	Config. 9	-8				1406	
		-6				1407	
		-4				1408	
		-2				1409	
		0				1410	
		2				1411	
		4				1412	
		6				1413	
		8				1414	
		12				1415	
		14.2				1416	
		0	Endpt. 439			1417	
						1418	
75	0.90	-14.2	Start 4.56		14.3	1419	
		-12				1420	
		-8				1421	
		-6				1422	
		-4				1423	
		-2				1424	
		0				1425	
		2				1426	
		4				1427	
		6				1428	
		8				1429	
		12				1430	
		14.2				1431	
		0	Endpt. 6.09				

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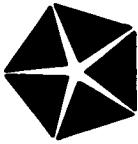
SPACE
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TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	TUNNEL COORD. No.	REMARKS
73	Saturn IB (Force = 0.80)	-14.2	Start 6:15	270°	15.0 PAIA	1432	
	Shorten -1)	-12				1433	
	BF8 S ₂₂ E ₀	-8				1434	
	Config. 9	-6				1435	
		-4				1436	
		-2				1437	
		0				1438	
		2				1439	
		4				1440	
		6				1441	
		8				1442	
		12				1443	
	1g ₂					1444	
		0	Finish 7:18			1445	
						1446	
72	0.70 ± 14.2	Start 7:24			16.1 PAIA	1447	
		-12				1448	
		-8				1449	
		-6				1450	
		-4				1451	
		-2				1452	
		0				1453	
		2				1454	
		4				1455	
		6				1456	
		8				1457	
		12				1458	
		14.2				1459	
		0	End fit 8:37				

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TEST PROGRAM

REMARKS

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	TUNNEL TOTAL R. _{ext}	COORD. NO.	REMARKS
125	SATURN 113 (Fore- shortened)	1.35	-14.2	Start 12:18 AM (1021-69)	0°	13.5 PSI	1969	2 hrs. to make model change B OBTAINED BUFFET DATA FOR 30 SEC.
	BFSO E.O.	-12					1970	
		-8					1971	ALL FIN PRESS. OFF MODE. DEVICE 5
	Config. 10	-6					1972	THRU 105
		-4					1973	
		-2					1974	
		0 ^B					1975	
		2					1976	
		4					1977	
		6		SJB STAGE REAR VIEW			1978	
		8		CONFIG. 10			1979	
		12					1980	
		14.2					1981	
		0		STOP 108			1982	
124		1.20	-14.2	START 11:19	≈ 13.3	1983		
			-12				1984	
			-8				1985	
			-6				1986	
			-4				1987	
			-2				1988	
			0 ^B				1989	
			2				1990	
			4				1991	
			6				1992	
			8				1993	
			12				1994	
			14.2				1995	
			0	STOP 201			1996	

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TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	TUNNEL COORD. NO	REMARKS
122	SATURN IB (FORESHORTENED)	1.0	-19.2	START 207	0°	13,55	1497 B: OBTAINED BUFLET DATA FOR 30 SEC.
	B.S.E.	-12				1498	
	CONFIG. 10	-8				1499	
		-6				1500	
		-4				1501	
		-2				1502	
		0B				1503	
		2				1504	
		4				1505	
		6				1506	
		8				1507	
		12				1508	
		19.2				1509	
		0	STOP 2:56AM			1510	
121	SATURN IB (FORESHORTENED)	1.05	-19.2	START 3:09 AM	0°	13,65	1511
	B.S.E.	-12				1512	
	CONFIG. 10	-8				1513	
		-6				1514	
		-4				1515	
		-2				1516	
		0B				1517	
		2				1518	
		4				1519	
		6				1520	
		8				1521	
		12				1522	
		19.2				1523	
		0	STOP 3:16			1524	

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RUN NO.	CONFIGURATION	M	OC _n	TEST CONDITION	φ	TURBINE TOTAL P. _n	COORD. NO.	REMARKS
120	SATURN IB (FORESHORTENED)	1.00	-19.2	START 3:54 AM	0°	13.8PSIA	1525	B, OBTAINED BUFFET DATA FOR 30SEC.
	B.S.E. _{E_o}	-12	-8				1526	
	CONFIG 10	-6	-9				1527	
		-2	-2				1528	
		0 _B	0 _B				1529	
		2	2				1530	
		4	4				1531	
		6	6				1532	
		8	8				1533	
		12	12				1534	
		14.2	14.2				1535	
		0	0	STOP 4:43 AM			1536	
							1537	
119	SATURN IB (FORESHORTENED)	.95	-19.2	START 4:51 AM	0°	13.1	1538	
	B.S.E. _{E_o}	-12	-8				1539	
	CONFIG 10	-6	-9				1540	
		-2	-2				1541	
		0 _B	0 _B				1542	
		2	2				1543	
		4	4				1544	
		6	6				1545	
		8	8				1546	
		12	12				1547	
		14.2	14.2				1548	
		0	0	STOP 5:33AM			1549	
							1550	
							1551	
							1552	

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TEST PROGRAM

RUN NO.	CONFIGURATION	M	OC _m	TEST	CONDITION	φ	TURBINES TOTAL P. _{ro}	COORD NO	REMARKS
118	SATURN IB (FOKE SHORTENED)	.90	-19.2	START	S/ASAM	0°	14.3	1553	B; BUFFET DATA OBTAINED FOR 30 SEC.
	BF=SA E _o	-12						1554	
	CONFIG 10	-6	-8					1555	
		-9						1556	
		-2						1557	
		0 ⁸						1558	
		2						1559	
		4						1560	
		6						1561	
		8						1562	
		12						1563	
		19.2						1564	
		0	STOP C,3,3			▼		1565	
						▼		1566	
116	SATURN IB (FOKE SHORTENED)	.80	-19.2	START C,3,3AM		0°	14.95	1567	
	BF=SA E _o	-12						1568	
	CONFIG 10	-6	-8					1569	
		-9						1570	
		-2						1571	
		0 ⁸						1572	
		2						1573	
		4						1574	
		6						1575	
		8						1576	
		12						1577	
		19.2						1578	
		0	STOP 07:27			▼		1579	COULD NOT GET .7 MACH BECAUSE
						▼		1580	OF 2X7. WILL PICK UP .7 TONIGHT

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RUN NO.	CONFIGURATION	M	OC _m	TEST CONDITION	φ	TUNNEL GROUND TOTAL P _{ext}	REMARKS
115	Saturn IB (Fore - shortened)	0.70	-14.2	start	0°	16.25 psia	1583
	BFS E _o	-12				1584	
	Config. 10	-8				1585	
		-6				1586	
		-4				1587	
		-2				1588	
		0				1589	
		2				1590	
		4				1591	
		6				1592	
		8				1593	
		12				1594	
		14.2				1595	
		0	Int φ 4:15			1596	
136	Saturn IB (Fore - shortened)	1.35	-14.2	start 9:30	+45°	13.3 psia	1605
	BFS E _o	-12				1606	rotated model +45°, rotated base plate -95° Added total pressure valve & rotated antenna
	Config. 11	-8				1607	panels 45°
		-6				1608	
		-4				1610	Had a lot of trouble making model change
		-2				1611	C/m was very hard to get off
		0				1612	total pressure cap had to be hand fitted onto
		2				1613	T.E.D.
		4				1614	No problem connecting Pt valve to Scannivalve
		6				1615	♦ leak check showed all oxifices on Pt valve
		8				1616	OK
		CONFIG 11				1617	c/m was binding on installation after cleaning
		12				1618	using a lubricating threads. Head of allen
		14.2				1619	cup screw in c/m was split on c/m removal & wouldn't allow tower to go on. This was fixed by drilling out the cap screw head.
		0	Last fit 10:30				

Started model change at 4:45pm finished at 8:55pm
 Calculated M₁ for top Pt valve tap, M₁ = 1.71

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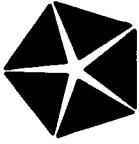
TEST PROGRAM

RUN NO.	CONFIGURATION	M	OCM	TEST CONDITION	ϕ	TUNNEL COORD. NO	TOTAL R _{so}	REMARKS
135	Saturn 1B (Fore-Shortened)	-1.20	-14.2	start 10:39 PM	+45°	13.38 R1A	1620	All Fin data set to max. Negative counts
	B _F SAE _E		-12				1621	
	Config. 11		-8				1622	
			-6				1623	
			-4				1624	
			-2				1625	
			0				1626	
			2				1627	
			4				1628	
			6				1629	
			8				1630	
			12				1631	
			14.2				1632	
			0	last ph. 11:30 PM	▼		1633	
133		1.10	-14.2	start 11:38	13.41	1634		
			-12				1635	
			-8				1636	
			-6				1637	
			-4				1638	
			-2				1639	
			0				1640	
			2				1641	
			4				1642	
			6				1643	
			8				1644	
			12				1645	
			14.2				1646	
			0	STOP 12:29	▼		1647	

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RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	TUNNEL TOTALS	CARD NO.	REMARKS
132	Saturn 1B (Forces shortened)	1.05	-14.2	START 12:30	45°	1365	1698	S SCHLIEREN PICTURE TAKEN
	B _F S _A E _o	-12					1699	
	Config 11	-8					1650	
		-6					1651	
		-4					1652	
		-2					1653	
		0					1654	PICTURES ARE NUMBERED C54
		2					1655	S
		4					1656	S
		6					1657	S
		8					1658	S
		12					1659	S
		14.2					1660	S
		0	STOP 1:15				1661	
131		1.00	-14.2	START 12:4 AM	45°	1375	1662	
			-12				1663	
			-8				1664	
			-6				1665	
			-4				1666	
			-2				1667	
			0				1668	S
			2				1669	S
			4				1670	S
			6				1671	S
			8				1672	S
			12				1673	S
			14.2				1674	S
			0	STOP 2:06			1675	

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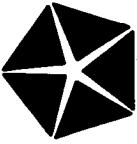
TEST PROGRAM

RUN NO.	CONFIGURATION	M	∞_m	TEST CONDITION	ϕ	TUNNEL COORD. TOTAL RGE	REMARKS
130	Saturn IB (Fo < - shortened)	0.95	-14.2	START 2:3	45°	14.0	1676 S: SCHLEIFEN PICTURES TAKEN.
			-12				1677
	B = S, E ₀		-8				1678
	Config. II		-6				1679
			-4				1680
			-2				1681
		0					1682 S
		2					1683 S
		4					1684 S
		6					1685 S
		8					1686 S
		12					1687 S
		14.2					1688 S
		0	STOP 2:55 AM				1689
		0.90	-14.2	START 3:05	14.4	1690	
			-12				1691
			-8				1692
			-6				1693
			-4				1694
			-2				1695
		0					1696 S
		2					1697 S
		4					1698 S
		6					1699 S
		8					1700 S
		12					1701 S
		14.2					1702 S
		0	STOP 3:57				1703

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 FACILITY 111 FT ARC
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CHRYSLER
 CORPORATION

SPACE
 DIVISION



TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_n	TEST CONDITION	ϕ°	TUMBLE TOTAL P _{tot}	COORD NO.	REMARKS
127	SATURN IB (FORE-SHORTENED)	.80	-19.2	START 4:00 AM	95°	19.3	1704	S: SCHILLEREN PICTURE TAKEN,
			-12				1705	
			-8				1706	
			-6				1707	
			-4				1708	
			-2				1709	
			0				1710	S
			2				1711	S
			4				1712	S
			6				1713	S
			8				1714	S
			12				1715	S
			19.2				1716	S
			0	STOP 4:53			1717	
126		.70	-19.2	START 5:01	15.7	1718		
			12				1719	
			-8				1720	
			-6				1721	
			-4				1722	
			-2				1723	
			0				1724	
			2				1725	
			4				1726	
			6				1727	
			8				1728	
			12				1729	
			19.2				1730	
			0	STOP 5:11 AM (10-22)			1731	DANGLEOMETER CHECK CALIBRATED AFTER RUN 126.

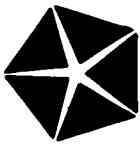
DATE 10-22-64
 FACILITY AFC 11x11'
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TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	TUNNEL COORD. No.	TOTAL P. 13.5 PSIA	REMARKS
300	Saturn IB (Fore - Shortened) B+Fa M ₄ S ₄ E ₀	-12	1.35	Start 9:25 P.M.	45°	1743	orifice # 285 pulled off pressure fin during fin removal	
	Config. 12	-8*	308			1749	leaked check on pressure fin & other valves	
		-4	325			1745	showed ok except for orifice # 11. 11 LEAKS	
		0*				1746	+NF gate + ground	
		4	FOIL PRESS.			1747 S	Model ready to go except for buffet pressure readout	
		8*	FIN			1748 S	Setup. at 3:40 P.M. ready to close up on glass	
		12	BUFFET ACCES.			1749 S		
		0	10:04			1750 S	M ₄ : Minuteman strapons, subscript indicates no. installed on model	
301		12	10:19		13.4	1752		
		-8*	S-JB STAGE REAR VIEW			1753	of position was correlated to the initial position	
		-4	CONFIG 12			1754	at this test based on pressure fin location	
		0*				1755 S		
		4				1756 S	S: indicates where schlierens were taken	
		8*	10:47			1757 S		
		12				1758 S	* Buffet pressure data taken for 95 sec	
		0	Lost 11:01			1759		
302		10.5	-12	Start	13.42	1760	orifices 213 thru 221 are covered by MM	
			-8*	11:15		1761	support surfaces 211 & 212 are under MM	
			-4			1762	support on tailcone frustum	
		0*	11:25			1763 S	Calibrate pressure on scannerloc #7 was slightly	
		4				1764 S	reacting therefore scanned pressures will not	
		8*	11:35			1765 S	be correct	
		12	11:37			1766 S		
		0	lost 11:42			1767	NO BUFFET PRESSURES ON TAIL BARREL	
							NEAR FORCE FIN. WE ARE MEASURING A	
							TOTAL OF 6	

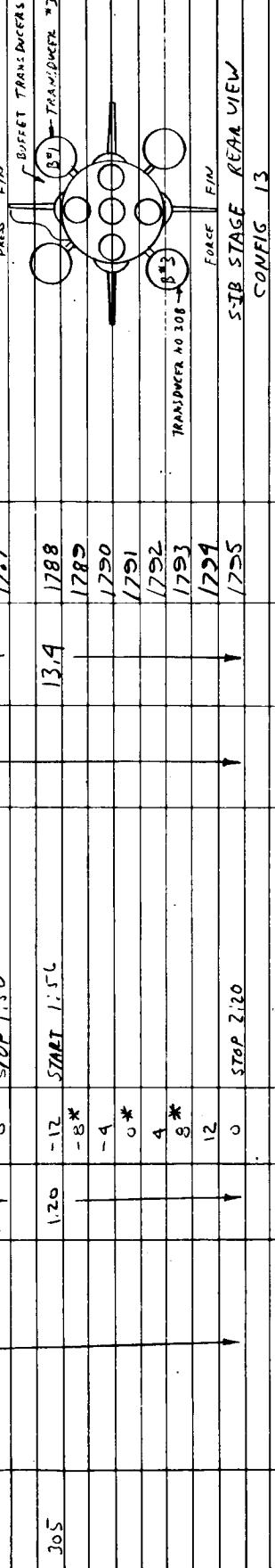
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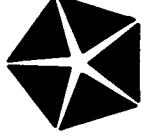
CHRYSLER
 CORPORATION

TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	TUNNEL TOTAL. No.	COO'D. No.	REMARKS
303	Saturn IB (Finc - shortened)	0.90	-12	START 11:52 PM (10-22-64)	45°	1768	1768	S: SCHLIEREN PICTURES TAKEN
			-8 *			1769	1769	*: OBTAINED BUFFET DATA FOR 95 SEC.
	BF F4 M4 SA Eo	-4				1770		
	Config 12	0 *				1771	S	
		4				1772	S	
		8 *				1773	S	
		12				1774	S	
		0	STOP 12:17 AM (10-23-64)			1775		\approx 20 MIN. MODEL CHANGE
304	Saturn IB (Finc - shortened)	1.35	-12	START 1:21 AM	315°	1780	1780	TOOK A POSITIVE PRESSURE CALIBRATE
			-8 *			1781		ON SCANIVALVES TO CHECK SCANIVALVE
	BF F4 M4 SA Eo	-4				1782		7. COUNTS BETTER.
	Config 13	0 *				1783		SCANIVALVE REFERENCE PRESS = 12.8 MM HG.
		4				1784		FROM RUN 304 AND ON, ATMOSPHERIC PRESS
		8 *				1785		IS THE CALIBRATE PRESS.
		12				1786		
		0	STOP 1:50			1787		
305		1.20	-12	START 1:56		13.4	1788	
			-8 *			1789		
			-4			1790		
			0 *			1791		
			4			1792		
			8 *			1793		
			12			1794		
			0	STOP 2:20		1795		SUB STAGE REAR VIEW
								CONFIG 13



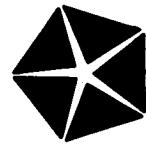
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 CORPORATION
 SPACE
 DIVISION

 TEST PROGRAM

TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	TUNNEL CO. # No.	TOTAL RE. 1796	REMARKS
306	Saturn 1B (Force - Shortened) $B_F M_4 S_o E_o$	-1.05	-12	START 2:27	315°	$\approx 13,65$		S: Schlieren pictures taken
			-8*				1797	*
			-4				1798	BUFFET DATA OBTAINED FOR 95 SEC.
	Config 13		0*				1799	
			4				1800	
			8*				1801	
			12				1802	
		0	STOP 2:51				1803	
307		0.90	-12	START 2:58		13,3	1804	
			-8*				1805	
			-4				1806	
			0*				1807	
			4				1808	
			8*				1809	
			12				1810	
		0	STOP 3:22				1811	
308	Saturn 1B (Force - Shortened)	-1.35	-12	START 4:20	0°	13,9	1815	
			-8*				1816	PRESS FIN
			-4				1817	
	$B_F M_4 S_o E_o$						1818	
	Config 14		0*				1819	
			4				1820	
			8*				1821	
			12				1822	FORCE FIN
		0	STOP 4:44					
								S-TB STAGE REAR VIEW
								CONFIG 14

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CHRYSLER
 CORPORATION

TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	TOTAL $\Delta \phi$	COUNT NO.	REMARKS
309	Saturn 1B (Fore - shortened)	-12	START 9:50	0°	13.6	1823	*	BUFFET DATA OBTAINED FOR 95 SEC
	BFq M4 SAEo	-8*				1824	5	SCHLIEREN PICTURE TAKEN
	Config. 14	-4				1825		
		0*				1826		
		4				1827		
		8*				1828		
		12				1829		
		0	STOP 5:19			1830		
310	1.05	-12	START 5:22 AM	13.6	1831			
		-8*				1832		
		-4				1833		
		0*				1834		
		4				1835		
		8*				1836		
		12				1837		
		0	STOP 5:59			1838		TOOK SCHLIEREN AT $\phi = 0$, COUNT NO ON SCHLIEREN
							12	/ 837
311	0.90	-12	START 5:58	19.2	1839			
		-8*				1840		
		-4				1841		
		0*				1842		
		4				1843		
		8*				1844		
		12				1845		
		0	STOP 6:15			1846		

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TEST PROGRAM

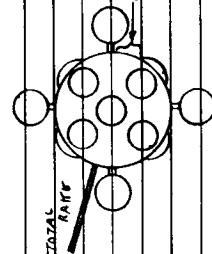
RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	TUNNEL P _{ext}	COORD No	REMARKS
312	SATURN IB (ForeShuttle Neg D)	1.35	-1/2	START 7:16	90°	13.4	1850	* BUFILED DATA OBTAINED FOR 45 SEC
	B _F F4 M4 S _E E. CONFIG. 15	-9					1851	
		0*					1852	
		9					1853	
		8*					1854	
		12					1855	
		0		STOP 7:43			1856	
							1857	
313	1.20	-1/2		START 7:54	13.4	1858		
		-8*					1859	FORCE FIN
		-9					1860	
		0*					1861	
		9					1862	
		8*					1863	
		12					1864	PRESS. FIN
		0		STOP 8:32			1865	
314	1.05	-1/2		START 8:42	13.7	1866		
		-8*					1867	S-IB STAGE REARVIEW
		-9					1868	CONFIG. 15
		0*					1869	
		9					1870	
		8*					1871	
		12					1872	
		0		STOP 9:12			1873	

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TEST PROGRAM

RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	THROAT P. _{in}	COORD NO	REMARKS
315	SATURN IB (FORESHORTENED)	.50	-12	start 9:25	30°	14.2	1874	* OBTAINED BUZZET DATA FOR 45 SEC
	BFG M4 SAE _{E0}	-8*					1875	
	Config 15	-4					1876	
		0*					1877	
		4					1878	
		8*					1879	
		12					1880	
		0	STOP 9:59				1881	
317	Saturn IB (Fore shortened) BFG M4 SAE _{E0}	1.35	-12	start	30°	13.45	1894	Had trouble with tape punch & computing control made 2 runs
	Config 16	-8*	131				1895	
		-4	135				1896	
		0*	145				1897	
		4					1898	
		8*					1899	
		12					1900	
		0	stop				1893	
318		1.20	-12	start 2:07	13.96	1901		
		-8*					1902	
		-4					1903	
		0*					1904	S
		4					1905	S
		8*					1906	S
		12					1907	S
		0	stop 2:11				1908	



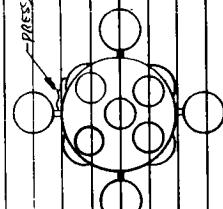
S-TB STAGE REAR VIEW
 CONFIG 16

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TEST PROGRAM

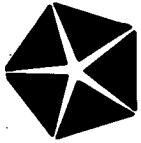
RUN NO.	CONFIGURATION	M	α_m	TEST CONDITION	ϕ	TUNNEL Total Run	Cored No.	REMARKS
319	Saturn IB (Force-Shortened)	-1.05	-12	157 START	90°	13,781a	1909	Si Schlieren pictures taken
			-8*				1910	* BUFFET DATA OBTAINED FOR 45 SEC.
	BFM4 Sx Eo		-4				1911	
	Config. 16		0*				1912	S
			4				1913	S
			8*				1914	S
			12				1915	S
		0	3:19 STOP				1916	
320		0.90	-12	3:21 START	14.31	1917		
			-8*				1918	
			-4				1919	
			0*				1920	
			4				1921	
			8*				1922	
			12				1923	
		0	STOP 9:07				1924	
321	Saturn IB (Force-Shortened)	1.35	-12	start 8:03	0°	13,49	1956	No Schlieren pictures taken during run
			-8*				1957	321 - 324
	BFM4 Sx Eo		-4				1959	
	Config. 17		0*				1960	
			4				1961	
			8*				1962	
			12	last 8:31			1963	



SIB STAGE REAR VIEW
CONFIG 17

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TEST PROGRAM

REMARKS

RUN NO.	CONFIGURATION	M	α	TEST	CONDITION	ϕ	TUNNEL TOTAL P _{out}	CARD NO.	REMARKS
322	Saturn 1B (Fore- Shortened)	1.20	-12	Start	1.31	0°	13.37 PAW	1945	
			-8*					1950	
	Bf M4 E _o		-4					1951	
	Config. 17		0*					1952	
			4					1953	
			8*					1954	
			12	last				1955	
323	1.05	-12	Start	6.54		13.62	1942		
			-8*					1943	
			-4					1944	
			0*					1945	
			4					1946	
			8*					1947	
			12	last	7.21			1948	
324	0.96	-12	Start	6.61		14.12 PAW	1952		
			-8*					1953	
			-4					1954	
			0*					1955	
			4					1936	
			8*					1938	
			12					1940	
			0	last	6.45			1941	

Table 2
TABULATED PRESSURE COEFFICIENTS

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 22
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 1.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.803
TUNNEL DYNAMIC PRESSURE(PSF) = 614.
TUNNEL STAGNATION PRESSURE(PSF) = 2078.
TUNNEL STATIC PRESSURE(PSF) = 1359.
REYNOLDS NUMBER PER FOOT = 4.0260E 06
MODEL ANGLE OF ATTACK(DEG) = -14.72
FIN ANGLE(DEG) = -0.07
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 544.

SCANIVALE	CP(REF)
147	1.2416
247	1.2436
347	1.2446
447	1.2446
547	1.2696
647	1.2696
747	1.2706

ORF	CP	ORF	CP	ORF	CP
1	0.4096	52	0.0056	102	-0.4764
2	0.2056	53	-0.3044	103	-0.6664
3	0.2596	54	-0.2994	104	-0.6354
4	0.2996	55	0.5636	105	-0.4814
5	0.3166	56	0.4776	110	-0.0404
6	0.3246	57	0.4166	111	-0.0584
7	0.3176	58	0.3616	112	-0.0334
8	0.3056	59	0.3076	113	-0.0774
9	0.2876	60	0.2496	114	-0.0884
10	0.2646	61	0.1706	115	0.0876
11	0.2326	62	0.0806	116	0.0896
12	0.1886	63	-0.0574	117	0.0856
13	0.1186	64	-0.3654	118	0.0046
14	-0.1354	65	-0.3674	119	0.0026
15	-0.2524	66	0.5326	120	-0.0234
16	0.4636	67	0.4436	121	-0.0624
17	0.4226	68	0.3646	122	-0.1274
18	0.4016	69	0.2936	123	-0.2324
19	0.3816	70	0.2216	124	-0.1154
20	0.3696	71	0.1486	125	-0.0814
21	0.3496	72	0.0366	126	-0.0614
22	0.3306	73	-0.1304	127	-0.0724
23	0.2946	74	-0.3784	128	-0.1424
24	-2.2134	75	0.4986	129	-0.0604
25	0.2266	76	0.3866	135	-0.0284
26	0.1686	77	0.2956	136	-0.0564
27	0.0856	78	0.2016	137	-0.0224
28	-0.1384	79	0.1046	138	0.0776
29	-0.2904	80	-0.0124	139	0.0486
30	0.5326	81	-0.2354	140	0.0816
32	0.4376	82	-0.3504	141	0.1916
33	0.4056	83	0.3926	142	0.2106
34	0.3736	84	0.3056	143	0.2076
35	0.3386	85	0.1866	145	-0.0584
36	0.3086	86	0.0776	147	0.2086
37	0.2696	87	-0.0354	151	0.2126
38	0.2186	88	-0.2034	152	-0.0454
39	0.1586	89	-0.3514	153	-0.0974
40	0.0626	90	0.2936	154	-0.2184
41	-0.1274	91	0.1136	155	0.2706
42	-0.3004	92	0.0076	156	0.2166
43	0.5656	93	-0.0864	157	-0.0294
44	0.4906	94	-0.2084	158	0.5876
45	0.4436	95	-0.3274	159	0.3826
46	0.4006	96	-0.8934	160	0.2886
47	0.3606	97	-0.6574	161	0.1196
48	0.3076	98	-1.1284	162	0.5286
49	0.2556	99	-0.6634	163	0.3916
50	0.1946	100	-0.4594	164	0.0516
51	0.1156	101	-0.5444	165	0.0176

ORF	CP	ORF	CP	ORF	CP
166	0.5866	217	-0.0674	268	-0.2764
167	0.3716	218	0.1596	269	-0.1484
168	0.2856	219	0.2006	270	-0.1094
169	0.0866	220	0.1596	271	-0.4174
170	0.5326	221	-0.0624	272	-0.3674
171	0.2056	222	-0.0394	273	-0.0854
172	-0.0614	223	0.4436	274	-0.0894
173	0.1546	224	0.5106	275	0.4796
174	-0.0284	225	0.4736	276	0.5876
175	-0.2784	226	0.2766	277	0.4526
176	-0.3604	227	-0.4214	278	-0.2874
177	-0.0794	228	-0.4274	279	-0.0944
178	-0.1584	229	-0.4204	280	0.0886
179	-0.0874	230	-0.3434	281	0.2756
180	-0.2534	231	-0.0194	282	0.3496
181	0.4926	232	0.1626	283	0.3276
182	0.6166	233	-2.2134	284	0.3186
183	0.0956	234	0.1876	285	0.1796
184	0.2796	235	0.0636	286	-0.4814
185	0.4746	236	0.1596	287	-0.2854
186	0.7536	237	0.3566	288	-0.0434
187	0.9096	238	0.3906	289	-0.0854
188	1.0616	239	0.5396	290	-0.1854
189	1.0646	240	0.4016	291	-0.7714
190	0.2576	241	-0.4634	292	-0.2604
191	-0.2284	242	-0.4504	325	0.6386
192	-0.2384	244	-0.1604	326	0.7326
193	-0.2374	245	0.1316	327	0.8386
194	-0.2444	246	0.1976	328	0.9606
195	-0.2194	247	0.2186	329	1.0826
196	-0.2784	248	0.2126	330	1.1486
197	-0.2444	249	0.1796	331	1.1696
198	-0.2494	250	-0.0084	332	1.1696
199	-0.2584	251	-0.1914	333	1.1676
200	-0.2184	252	-0.3054	334	1.1686
201	-0.2334	253	0.5696	335	1.1696
202	-0.2414	254	0.3896	336	1.1706
203	-0.2394	255	-0.3174	337	1.1686
204	-0.2344	256	-0.2794	338	1.1686
205	-0.0804	257	-0.2214	339	1.1676
206	-0.0174	258	0.0036	340	1.1686
207	-0.0474	259	0.2186	341	1.1686
208	0.1216	260	0.2596	350	-0.1734
210	0.6886	261	0.2576	351	-0.1864
211	0.5016	262	0.2006	352	-0.1974
212	0.3236	263	-0.1234	353	-0.1894
213	-0.4344	264	-0.2084	354	-0.1654
214	-0.4144	265	-0.2014	355	-0.1354
215	-0.4134	266	-0.1554		
216	-0.3644	267	-0.2024		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 23
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 1.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.802
TUNNEL DYNAMIC PRESSURE(PSF) = 614.
TUNNEL STAGNATION PRESSURE(PSF) = 2082.
TUNNEL STATIC PRESSURE(PSF) = 1363.
REYNOLDS NUMBER PER FOOT = 4.0130E 06
MODEL ANGLE OF ATTACK(DEG) = -12.13
FIN ANGLE(DEG) = -0.31
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	1.2381
247	1.2391
347	1.2381
447	1.2401
547	1.2591
647	1.2591
747	1.2601

ORF	CP	ORF	CP	ORF	CP
1	0.3251	52	-0.0409	102	-0.4759
2	0.0911	53	-0.3529	103	-0.6419
3	0.1421	54	-0.3319	104	-0.6119
4	0.2011	55	0.5001	105	-0.4659
5	0.2281	56	0.4091	110	-0.0609
6	0.2431	57	0.3551	111	-0.0729
7	0.2431	58	0.3001	112	-0.0469
8	0.2321	59	0.2531	113	-0.0849
9	0.2221	60	0.1911	114	-0.0909
10	0.1991	61	0.1231	115	0.0451
11	0.1761	62	0.0321	116	0.0611
12	0.1371	63	-0.0979	117	0.0581
13	0.0731	64	-0.4109	118	-0.0059
14	-0.1809	65	-0.3919	119	-0.0049
15	-0.2859	66	0.4691	120	-0.0259
16	0.3611	67	0.3821	121	-0.0519
17	0.3371	68	0.3111	122	-0.1379
18	0.3171	69	0.2401	123	-0.2019
19	0.3031	70	0.1781	124	-0.0989
20	0.2911	71	0.1021	125	-0.0729
21	0.2771	72	-0.0049	126	-0.0559
22	0.2611	73	-0.1669	127	-0.0649
23	0.2351	74	-0.4009	128	-0.1449
24	-2.2199	75	0.4441	129	-0.0759
25	0.1691	76	0.3331	135	-0.0219
26	0.1211	77	0.2461	136	-0.0349
27	0.0331	78	0.1561	137	-0.0149
28	-0.1819	79	0.0651	138	0.0751
29	-0.3239	80	-0.0459	139	0.0651
30	0.4461	81	-0.2729	140	0.0811
32	0.3661	82	-0.3699	141	0.1531
33	0.3361	83	0.3441	142	0.1621
34	0.3051	84	0.2491	143	0.1641
35	0.2781	85	0.1371	145	-0.0329
36	0.2481	86	0.0291	147	0.1651
37	0.2121	87	-0.0759	151	0.1801
38	0.1661	88	-0.2359	152	-0.0609
39	0.1101	89	-0.3489	153	-0.1059
40	0.0201	90	0.2451	154	-0.2209
41	-0.1759	91	0.0681	155	0.2541
42	-0.3369	92	-0.0299	156	0.2001
43	0.4961	93	-0.1179	157	-0.0309
44	0.4201	94	-0.2349	158	0.5511
45	0.3681	95	-0.3249	159	0.3681
46	0.3361	96	-0.8249	160	0.2761
47	0.2991	97	-0.6669	161	0.1081
48	0.2511	98	-1.1729	162	0.5081
49	0.2011	99	-0.7969	163	0.3861
50	0.1451	100	-0.4269	164	0.0621
51	0.0671	101	-0.5469	165	0.0111

ORF	CP	ORF	CP	ORF	CP
166	0.5531	217	-0.1339	268	-0.3199
167	0.3591	218	0.0851	269	-0.1689
168	0.2731	219	0.1491	270	-0.1219
169	0.0821	220	0.1111	271	-0.4489
170	0.4671	221	-0.1089	272	-0.4249
171	0.1911	222	-0.0969	273	-0.1039
172	-0.0609	223	0.3911	274	-0.0959
173	0.1301	224	0.4571	275	0.4631
174	-0.0369	225	0.4321	276	0.5221
175	-0.2589	226	0.2291	277	0.3691
176	-0.3309	227	-0.5049	278	-0.4309
177	-0.1039	228	-0.4979	279	-0.2639
178	-0.1839	229	-0.4909	280	-0.0739
179	-0.1039	230	-0.4169	281	0.1601
180	-0.2499	231	-0.0899	282	0.2491
181	0.4821	232	0.0871	283	0.2421
182	0.6091	233	-2.2199	284	0.2471
183	0.0671	234	0.1251	285	0.1161
184	0.1881	235	0.0071	286	-0.5009
185	0.3831	236	0.1051	287	-0.3819
186	0.7081	237	0.2981	288	-0.0459
187	0.8401	238	0.3281	289	-0.0879
188	0.8951	239	0.5041	290	-0.2019
189	0.9641	240	0.3541	291	-0.7209
190	0.1941	241	-0.5569	292	-0.2599
191	-0.2169	242	-0.5429	325	0.5511
192	-0.2239	244	-0.2569	326	0.6381
193	-0.2309	245	0.0511	327	0.7221
194	-0.2329	246	0.1291	328	0.8501
195	-0.2149	247	0.1551	329	1.0111
196	-0.2659	248	0.1481	330	1.1091
197	-0.2399	249	0.1251	331	1.1721
198	-0.2439	250	-0.0129	332	1.1721
199	-0.2419	251	-0.1979	333	1.1741
200	-0.2169	252	-0.3099	334	1.1741
201	-0.2169	253	0.5131	335	1.1741
202	-0.2349	254	0.3271	336	1.1741
203	-0.2389	255	-0.4109	337	1.1741
204	-0.2269	256	-0.3819	338	1.1741
205	0.0121	257	-0.3279	339	1.1731
206	0.0631	258	-0.1149	340	1.1741
207	0.0471	259	0.1251	341	1.1741
208	0.1681	260	0.1891	350	-0.1839
210	0.6411	261	0.1891	351	-0.1849
211	0.4601	262	0.1461	352	-0.1699
212	0.2751	263	-0.1629	353	-0.1339
213	-0.4929	264	-0.2459	354	-0.1189
214	-0.4799	265	-0.2249	355	-0.1109
215	-0.4799	266	-0.1719		
216	-0.4309	267	-0.2439		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 24
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 1.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.800
TUNNEL DYNAMIC PRESSURE(PSF) = 614.
TUNNEL STAGNATION PRESSURE(PSF) = 2088.
TUNNEL STATIC PRESSURE(PSF) = 1369.
REYNOLDS NUMBER PER FOOT = 4.0070E 06
MODEL ANGLE OF ATTACK(DEG) = -10.19
FIN ANGLE(DEG) = -0.50
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 547.

SCANIVALE	CP(REF)
147	1.2264
247	1.2264
347	1.2274
447	1.2274
547	1.2294
647	1.2314
747	1.2314

ORF	CP	ORF	CP	ORF	CP
1	0.2654	52	-0.0836	102	-0.4916
2	0.0024	53	-0.4026	103	-0.6406
3	0.0564	54	-0.3606	104	-0.6116
4	0.1294	55	0.4434	105	-0.4786
5	0.1684	56	0.3574	110	-0.0826
6	0.1814	57	0.3054	111	-0.0916
7	0.1824	58	0.2554	112	-0.0686
8	0.1794	59	0.2024	113	-0.0946
9	0.1744	60	0.1454	114	-0.1026
10	0.1504	61	0.0764	115	0.0074
11	0.1234	62	-0.0056	116	0.0364
12	0.0914	63	-0.1396	117	0.0344
13	0.0274	64	-0.4516	118	-0.0226
14	-0.2156	65	-0.4226	119	-0.0226
15	-0.3226	66	0.4154	120	-0.0316
16	0.2824	67	0.3244	121	-0.0506
17	0.2514	68	0.2574	122	-0.1546
18	0.2474	69	0.1904	123	-0.1946
19	0.2384	70	0.1274	124	-0.0846
20	0.2324	71	0.0564	125	-0.0756
21	0.2224	72	-0.0446	126	-0.0596
22	0.2014	73	-0.2136	127	-0.0696
23	0.1824	74	-0.4326	128	-0.1616
24	-2.2296	75	0.3854	129	-0.0866
25	0.1224	76	0.2764	135	-0.0226
26	0.0734	77	0.2004	136	-0.0336
27	-0.0086	78	0.1124	137	-0.0206
28	-0.2196	79	0.0194	138	0.0654
29	-0.3536	80	-0.0966	139	0.0614
30	0.3774	81	-0.3176	140	0.0704
32	0.3014	82	-0.3946	141	0.1204
33	0.2724	83	0.2974	142	0.1314
34	0.2494	84	0.1994	143	0.1274
35	0.2214	85	0.0904	145	-0.0346
36	0.1974	86	-0.0076	147	0.1264
37	0.1634	87	-0.1096	151	0.1484
38	0.1174	88	-0.2626	152	-0.0766
39	0.0624	89	-0.3676	153	-0.1096
40	-0.0266	90	0.1944	154	-0.2186
41	-0.2206	91	0.0174	155	0.2374
42	-0.3746	92	-0.0756	156	0.1904
43	0.4384	93	-0.1506	157	-0.0356
44	0.3634	94	-0.2496	158	0.5244
45	0.3134	95	-0.3206	159	0.3544
46	0.2844	96	-0.7896	160	0.2624
47	0.2494	97	-0.6646	161	0.1004
48	0.2044	98	-1.0436	162	0.4834
49	0.1534	99	-0.7866	163	0.3624
50	0.1024	100	-0.4616	164	0.0634
51	0.0274	101	-0.5606	165	0.0014

ORF	CP	ORF	CP	ORF	CP
166	0.5264	217	-0.1936	268	-0.3646
167	0.3414	218	0.0294	269	-0.1906
168	0.2664	219	0.0984	270	-0.1396
169	0.0754	220	0.0564	271	-0.4776
170	0.4324	221	-0.1486	272	-0.4796
171	0.1744	222	-0.1466	273	-0.1306
172	-0.0656	223	0.3374	274	-0.1076
173	0.1074	224	0.4054	275	0.4364
174	-0.0556	225	0.3874	276	0.4844
175	-0.2536	226	0.1844	277	0.3174
176	-0.3186	227	-0.5596	278	-0.5366
177	-0.1216	228	-0.5646	279	-0.3736
178	-0.2006	229	-0.5506	280	-0.1936
179	-0.1326	230	-0.4666	281	0.0504
180	-0.2556	231	-0.1466	282	0.1714
181	0.4204	232	0.0294	283	0.1614
182	0.5544	233	-2.2296	284	0.1814
183	0.1034	234	0.0774	285	0.0604
184	0.2374	235	-0.0356	286	-0.5236
185	0.4134	236	0.0524	287	-0.4546
186	0.6934	237	0.2544	288	-0.0746
187	0.8644	238	0.2784	289	-0.0996
188	0.9844	239	0.4584	290	-0.2106
189	1.0324	240	0.3094	291	-0.6336
190	0.1744	241	-0.6326	292	-0.2606
191	-0.2126	242	-0.6106	325	0.4814
192	-0.2216	244	-0.3236	326	0.5574
193	-0.2296	245	-0.0126	327	0.6464
194	-0.2376	246	0.0714	328	0.7674
195	-0.2136	247	0.1054	329	0.9234
196	-0.2596	248	0.0984	330	1.0464
197	-0.2376	249	0.0784	331	1.1644
198	-0.2386	250	-0.0166	332	1.1704
199	-0.2456	251	-0.2006	333	1.1714
200	-0.2196	252	-0.3166	334	1.1704
201	-0.2206	253	0.4714	335	1.1714
202	-0.2336	254	0.2784	336	1.1724
203	-0.2326	255	-0.4906	337	1.1704
204	-0.2226	256	-0.4716	338	1.1724
205	0.0634	257	-0.4236	339	1.1714
206	0.1054	258	-0.2086	340	1.1734
207	0.0924	259	0.0554	341	1.1724
208	0.1774	260	0.1194	350	-0.1836
210	0.5864	261	0.1384	351	-0.1716
211	0.4164	262	0.0964	352	-0.1406
212	0.2264	263	-0.2126	353	-0.1096
213	-0.5666	264	-0.2786	354	-0.0946
214	-0.5486	265	-0.2446	355	-0.0966
215	-0.5416	266	-0.1936		
216	-0.4816	267	-0.2836		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 25
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 1.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.802
TUNNEL DYNAMIC PRESSURE(PSF) = 617.
TUNNEL STAGNATION PRESSURE(PSF) = 2094.
TUNNEL STATIC PRESSURE(PSF) = 1371.
REYNOLDS NUMBER PER FOOT = 4.0110E 06
MODEL ANGLE OF ATTACK(DEG) = -8.16
FIN ANGLE(DEG) = -0.40
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 548.

SCAN VALUE	CP(REF)
147	1.2160
247	1.2160
347	1.2160
447	1.2170
547	1.2230
647	1.2240
747	1.2250

ORF	CP	ORF	CP	ORF	CP
1	0.2160	52	-0.1200	102	-0.5150
2	-0.0610	53	-0.4490	103	-0.6420
3	-0.0100	54	-0.4000	104	-0.6230
4	0.0660	55	0.3760	105	-0.5130
5	0.1090	56	0.3000	110	-0.0810
6	0.1280	57	0.2550	111	-0.0890
7	0.1360	58	0.2050	112	-0.0600
8	0.1320	59	0.1560	113	-0.0920
9	0.1200	60	0.0970	114	-0.1020
10	0.1050	61	0.0340	115	-0.0000
11	0.0810	62	-0.0480	116	0.0250
12	0.0430	63	-0.1810	117	0.0300
13	-0.0210	64	-0.5050	118	-0.0180
14	-0.2470	65	-0.4580	119	-0.0150
15	-0.3520	66	0.3490	120	-0.0360
16	0.2050	67	0.2660	121	-0.0400
17	0.1810	68	0.2000	122	-0.1580
18	0.1810	69	0.1440	123	-0.1660
19	0.1770	70	0.0810	124	-0.0760
20	0.1670	71	0.0090	125	-0.0580
21	0.1580	72	-0.0950	126	-0.0390
22	0.1500	73	-0.2530	127	-0.0480
23	0.1330	74	-0.4630	128	-0.1530
24	-2.2220	75	0.3230	129	-0.0830
25	0.0810	76	0.2170	135	-0.0140
26	0.0320	77	0.1510	136	-0.0190
27	-0.0510	78	0.0630	137	-0.0120
28	-0.2610	79	-0.0270	138	0.0740
29	-0.3830	80	-0.1390	139	0.0720
30	0.3040	81	-0.3580	140	0.0770
32	0.2460	82	-0.4280	141	0.1110
33	0.2160	83	0.2410	142	0.1120
34	0.1930	84	0.1480	143	0.1110
35	0.1690	85	0.0430	145	-0.0210
36	0.1450	86	-0.0500	147	0.1150
37	0.1160	87	-0.1490	151	0.1230
38	0.0740	88	-0.3000	152	-0.0830
39	0.0180	89	-0.3900	153	-0.1130
40	-0.0650	90	0.1300	154	-0.2160
41	-0.2530	91	-0.0380	155	0.2320
42	-0.4040	92	-0.1200	156	0.1750
43	0.3770	93	-0.1940	157	-0.0380
44	0.3070	94	-0.2960	158	0.4900
45	0.2680	95	-0.3400	159	0.3290
46	0.2310	96	-0.7380	160	0.2520
47	0.1970	97	-0.7040	161	0.0960
48	0.1540	98	-0.7990	162	0.4530
49	0.1100	99	-0.6360	163	0.3560
50	0.0610	100	-0.6060	164	0.0710
51	-0.0170	101	-0.5810	165	0.0080

ORF	CP	ORF	CP	ORF	CP
166	0.4900	217	-0.2150	268	-0.3830
167	0.3310	218	-0.0010	269	-0.2050
168	0.2630	219	0.0670	270	-0.1480
169	0.0750	220	0.0290	271	-0.5010
170	0.3680	221	-0.1750	272	-0.5060
171	0.1560	222	-0.1680	273	-0.1420
172	-0.0670	223	0.3010	274	-0.1100
173	0.0820	224	0.3770	275	0.3780
174	-0.0620	225	0.3560	276	0.4570
175	-0.2560	226	0.1510	277	0.2800
176	-0.3160	227	-0.6000	278	-0.5960
177	-0.1330	228	-0.6050	279	-0.4440
178	-0.2220	229	-0.5850	280	-0.2670
179	-0.1520	230	-0.4920	281	-0.0230
180	-0.2490	231	-0.1670	282	0.1100
181	0.3760	232	-0.0040	283	0.1130
182	0.5050	233	-2.2220	284	0.1280
183	0.0860	234	0.0450	285	0.0150
184	0.2160	235	-0.0680	286	-0.5450
185	0.3640	236	0.0200	287	-0.4990
186	0.5820	237	0.2200	288	-0.0780
187	0.7930	238	0.2350	289	-0.0970
188	0.9470	239	0.4260	290	-0.2050
189	1.0130	240	0.2720	291	-0.5080
190	0.1360	241	-0.6730	292	-0.1800
191	-0.2060	242	-0.6470	325	0.4310
192	-0.2190	244	-0.3470	326	0.5060
193	-0.2210	245	-0.0490	327	0.5580
194	-0.2260	246	0.0310	328	0.6940
195	-0.2030	247	0.0650	329	0.8390
196	-0.2460	248	0.0680	330	0.9630
197	-0.2260	249	0.0430	331	1.1380
198	-0.2330	250	-0.0240	332	1.1650
199	-0.2300	251	-0.1970	333	1.1660
200	-0.2090	252	-0.3070	334	1.1660
201	-0.2110	253	0.4470	335	1.1680
202	-0.2250	254	0.2530	336	1.1660
203	-0.2240	255	-0.5390	337	1.1660
204	-0.2220	256	-0.5260	338	1.1680
205	0.1260	257	-0.4770	339	1.1670
206	0.1510	258	-0.2580	340	1.1680
207	0.1490	259	0.0130	341	1.1670
208	0.1990	260	0.0770	350	-0.1540
210	0.5460	261	0.0910	351	-0.1380
211	0.3850	262	0.0600	352	-0.1090
212	0.2020	263	-0.2360	353	-0.0780
213	-0.6070	264	-0.3040	354	-0.0590
214	-0.5860	265	-0.2350	355	-0.0780
215	-0.5790	266	-0.1860		
216	-0.5110	267	-0.3110		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 26

TUNNEL = 11

TEST NO. = 086

TEST PHASE = 2

RUN NUMBER = 1.

CONFIGURATION NO. = 1.

ANGLE OF MODEL ROLL(DEG) = 0.

MACH NUMBER = 0.798

TUNNEL DYNAMIC PRESSURE(PSF) = 616.

TUNNEL STAGNATION PRESSURE(PSF) = 2100.

TUNNEL STATIC PRESSURE(PSF) = 1379.

REYNOLDS NUMBER PER FOOT = 4.0000E 06

MODEL ANGLE OF ATTACK(DEG) = -6.05

FIN ANGLE(DEG) = -0.17

FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 550.

SCANIVALE	CP(REF)
147	1.2084
247	1.2084
347	1.2104
447	1.2104
547	1.1994
647	1.2004
747	1.2014

ORF	CP	ORF	CP	ORF	CP
1	0.1634	52	-0.1616	102	-0.5166
2	-0.0816	53	-0.5006	103	-0.6516
3	-0.0406	54	-0.4236	104	-0.6276
4	0.0234	55	0.3094	105	-0.5476
5	0.0584	56	0.2404	110	-0.0936
6	0.0684	57	0.2014	111	-0.1066
7	0.0704	58	0.1474	112	-0.0786
8	0.0704	59	0.0984	113	-0.1066
9	0.0634	60	0.0544	114	-0.1146
10	0.0464	61	-0.0096	115	-0.0286
11	0.0254	62	-0.0916	116	0.0094
12	-0.0036	63	-0.2186	117	0.0104
13	-0.0686	64	-0.5576	118	-0.0336
14	-0.2806	65	-0.4916	119	-0.0306
15	-0.3846	66	0.2844	120	-0.0296
16	0.1424	67	0.2024	121	-0.0376
17	0.1214	68	0.1424	122	-0.1626
18	0.1174	69	0.0894	123	-0.1596
19	0.1104	70	0.0344	124	-0.0756
20	0.1074	71	-0.0316	125	-0.0706
21	0.1044	72	-0.1346	126	-0.0396
22	0.0914	73	-0.2906	127	-0.0546
23	0.0734	74	-0.4906	128	-0.1616
24	-2.2386	75	0.2544	129	-0.0846
25	0.0264	76	0.1654	135	-0.0216
26	-0.0166	77	0.0974	136	-0.0196
27	-0.0926	78	0.0154	137	-0.0176
28	-0.2966	79	-0.0696	138	0.0674
29	-0.4186	80	-0.1786	139	0.0714
30	0.2394	81	-0.4046	140	0.0694
32	0.1784	82	-0.4616	141	0.0934
33	0.1524	83	0.1824	142	0.0964
34	0.1324	84	0.0934	143	0.0944
35	0.1144	85	-0.0016	145	-0.0236
36	0.0944	86	-0.0926	147	0.0954
37	0.0694	87	-0.1896	151	0.0934
38	0.0264	88	-0.3466	152	-0.0896
39	-0.0236	89	-0.4316	153	-0.1196
40	-0.1086	90	0.0704	154	-0.2176
41	-0.2986	91	-0.0776	155	0.2184
42	-0.4356	92	-0.1526	156	0.1694
43	0.3064	93	-0.2286	157	-0.0446
44	0.2434	94	-0.3326	158	0.4454
45	0.2074	95	-0.3576	159	0.3174
46	0.1694	96	-0.5946	160	0.2414
47	0.1344	97	-0.7236	161	0.0894
48	0.1014	98	-0.4756	162	0.4334
49	0.0584	99	-0.3456	163	0.3404
50	0.0104	100	-0.4326	164	0.0674
51	-0.0586	101	-0.5806	165	0.0064

ORF	CP	ORF	CP	ORF	CP
166	0.4684	217	-0.2076	268	-0.4036
167	0.3194	218	-0.0316	269	-0.2176
168	0.2514	219	0.0184	270	-0.1576
169	0.0764	220	-0.0096	271	-0.5196
170	0.3444	221	-0.1956	272	-0.5166
171	0.1544	222	-0.2176	273	-0.1716
172	-0.0646	223	0.2394	274	-0.1246
173	0.0574	224	0.3334	275	0.3294
174	-0.0676	225	0.2984	276	0.3614
175	-0.2606	226	0.1034	277	0.2094
176	-0.3016	227	-0.6406	278	-0.5626
177	-0.1486	228	-0.6456	279	-0.4036
178	-0.2386	229	-0.6146	280	-0.2446
179	-0.1616	230	-0.5036	281	-0.0436
180	-0.2416	231	-0.1796	282	0.0504
181	0.2664	232	-0.0416	283	0.0474
182	0.3814	233	-2.2386	284	0.0614
183	0.1894	234	0.0034	285	-0.0356
184	0.3204	235	-0.0996	286	-0.5546
185	0.5134	236	-0.0196	287	-0.5106
186	0.6944	237	0.1814	288	-0.1016
187	0.8524	238	0.1824	289	-0.1116
188	0.9694	239	0.3694	290	-0.2066
189	1.0324	240	0.2164	291	-0.5436
190	0.1434	241	-0.6976	292	-0.2116
191	-0.2026	242	-0.6706	325	0.4004
192	-0.2106	244	-0.3766	326	0.4554
193	-0.2116	245	-0.0866	327	0.5334
194	-0.2166	246	-0.0156	328	0.6224
195	-0.1856	247	0.0184	329	0.7584
196	-0.2336	248	0.0164	330	0.8634
197	-0.2176	249	0.0014	331	1.0824
198	-0.2176	250	-0.0186	332	1.1514
199	-0.2206	251	-0.1986	333	1.1704
200	-0.1986	252	-0.3086	334	1.1734
201	-0.2006	253	0.3614	335	1.1724
202	-0.2116	254	0.1734	336	1.1734
203	-0.2106	255	-0.6096	337	1.1734
204	-0.2066	256	-0.5666	338	1.1724
205	0.1474	257	-0.4936	339	1.1734
206	0.1724	258	-0.2456	340	1.1734
207	0.1664	259	-0.0256	341	1.1734
208	0.2034	260	0.0274	350	-0.1316
210	0.4824	261	0.0324	351	-0.1166
211	0.3414	262	-0.0006	352	-0.0906
212	0.1574	263	-0.2736	353	-0.0586
213	-0.6656	264	-0.3226	354	-0.0546
214	-0.6496	265	-0.2586	355	-0.0786
215	-0.6276	266	-0.1986		
216	-0.5326	267	-0.3396		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 27
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 1.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.800
TUNNEL DYNAMIC PRESSURE(PSF) = 618.
TUNNEL STAGNATION PRESSURE(PSF) = 2104.
TUNNEL STATIC PRESSURE(PSF) = 1380.
REYNOLDS NUMBER PER FOOT = 4.0020E 06
MODEL ANGLE OF ATTACK(DEG) = -4.06
FIN ANGLE(DEG) = -0.14
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 551.

SCANIVALE	CP(REF)
147	1.2000
247	1.2000
347	1.2010
447	1.2010
547	1.2010
647	1.2030
747	1.2030

ORF	CP	ORF	CP	ORF	CP
1	0.0560	52	-0.1970	102	-0.4990
2	-0.1610	53	-0.5380	103	-0.6450
3	-0.1110	54	-0.4470	104	-0.6320
4	-0.0400	55	0.2250	105	-0.5310
5	-0.0100	56	0.1710	110	-0.0930
6	0.0050	57	0.1290	111	-0.1060
7	0.0070	58	0.0830	112	-0.0770
8	0.0070	59	0.0440	113	-0.1080
9	0.0060	60	-0.0020	114	-0.1190
10	-0.0130	61	-0.0580	115	-0.0360
11	-0.0320	62	-0.1330	116	0.0100
12	-0.0620	63	-0.2540	117	0.0200
13	-0.1150	64	-0.6320	118	-0.0270
14	-0.3130	65	-0.5060	119	-0.0250
15	-0.4010	66	0.2030	120	-0.0180
16	0.0440	67	0.1310	121	-0.0250
17	0.0350	68	0.0820	122	-0.1510
18	0.0370	69	0.0310	123	-0.1460
19	0.0350	70	-0.0250	124	-0.0580
20	0.0360	71	-0.0790	125	-0.0480
21	0.0310	72	-0.1730	126	-0.0280
22	0.0240	73	-0.3230	127	-0.0370
23	0.0110	74	-0.5070	128	-0.1510
24	-2.2330	75	0.1800	129	-0.0670
25	-0.0360	76	0.1030	135	-0.0040
26	-0.0730	77	0.0460	136	-0.0050
27	-0.1460	78	-0.0350	137	0.0010
28	-0.3280	79	-0.1160	138	0.0800
29	-0.4320	80	-0.2150	139	0.0850
30	0.1410	81	-0.4290	140	0.0820
32	0.0970	82	-0.4720	141	0.0950
33	0.0800	83	0.1130	142	0.0990
34	0.0570	84	0.0290	143	0.0990
35	0.0410	85	-0.0480	145	-0.0080
36	0.0250	86	-0.1290	147	0.0990
37	-0.0000	87	-0.2220	151	0.0480
38	-0.0340	88	-0.3760	152	-0.1120
39	-0.0820	89	-0.4440	153	-0.1400
40	-0.1580	90	0.0110	154	-0.2220
41	-0.3270	91	-0.1150	155	0.1980
42	-0.4560	92	-0.1790	156	0.1400
43	0.2070	93	-0.2440	157	-0.0550
44	0.1600	94	-0.3480	158	0.4270
45	0.1300	95	-0.3520	159	0.2860
46	0.1020	96	-0.4860	160	0.2120
47	0.0790	97	-0.7310	161	0.0700
48	0.0380	98	-0.1320	162	0.4000
49	0.0030	99	-0.1970	163	0.3090
50	-0.0370	100	-0.4320	164	0.0810
51	-0.1000	101	-0.5640	165	-0.0110

ORF	CP	ORF	CP	ORF	CP
166	0.4500	217	-0.1580	268	-0.3810
167	0.2900	218	-0.0340	269	-0.2160
168	0.2320	219	-0.0170	270	-0.1560
169	0.0680	220	-0.0430	271	-0.5070
170	0.3180	221	-0.2160	272	-0.4890
171	0.1330	222	-0.2440	273	-0.1590
172	-0.0660	223	0.2160	274	-0.1280
173	0.0230	224	0.2960	275	0.3310
174	-0.0870	225	0.2550	276	0.2700
175	-0.2600	226	0.0670	277	0.1160
176	-0.2860	227	-0.6750	278	-0.6230
177	-0.1800	228	-0.6660	279	-0.4750
178	-0.2790	229	-0.6260	280	-0.3330
179	-0.2140	230	-0.4640	281	-0.1230
180	-0.2410	231	-0.1530	282	-0.0050
181	0.2950	232	-0.0580	283	-0.0090
182	0.4260	233	-2.2330	284	0.0060
183	0.1320	234	-0.0290	285	-0.0800
184	0.2710	235	-0.1250	286	-0.5390
185	0.4050	236	-0.0460	287	-0.4810
186	0.5890	237	0.1490	288	-0.1040
187	0.7530	238	0.1280	289	-0.1140
188	0.8820	239	0.3130	290	-0.2070
189	0.9510	240	0.1680	291	-0.5180
190	0.1590	241	-0.6860	292	-0.1710
191	-0.2020	242	-0.6550	325	0.3670
192	-0.2050	244	-0.3610	326	0.4080
193	-0.2080	245	-0.1040	327	0.4630
194	-0.2160	246	-0.0430	328	0.5430
195	-0.1910	247	-0.0230	329	0.6380
196	-0.2300	248	-0.0260	330	0.7400
197	-0.2190	249	-0.0320	331	0.9510
198	-0.2140	250	-0.0100	332	1.0820
199	-0.2210	251	-0.1940	333	1.1410
200	-0.2000	252	-0.2880	334	1.1620
201	-0.2010	253	0.2410	335	1.1690
202	-0.2100	254	0.0820	336	1.1690
203	-0.2090	255	-0.5700	337	1.1670
204	-0.2070	256	-0.5220	338	1.1690
205	0.1730	257	-0.4500	339	1.1700
206	0.1970	258	-0.2260	340	1.1700
207	0.2030	259	-0.0620	341	1.1700
208	0.2140	260	-0.0270	350	-0.0960
210	0.4390	261	-0.0160	351	-0.0820
211	0.3180	262	-0.0480	352	-0.0560
212	0.1230	263	-0.2920	353	-0.0190
213	-0.7490	264	-0.3130	354	-0.0180
214	-0.7070	265	-0.2460	355	-0.0370
215	-0.6740	266	-0.2030		
216	-0.4950	267	-0.3430		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 28
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 1.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.802
TUNNEL DYNAMIC PRESSURE(PSF) = 621.
TUNNEL STAGNATION PRESSURE(PSF) = 2107.
TUNNEL STATIC PRESSURE(PSF) = 1380.
REYNOLDS NUMBER PER FOOT = 4.0070E 06
MODEL ANGLE OF ATTACK(DEG) = -2.05
FIN ANGLE(DEG) = -0.35
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 551.

SCANIVALE	CP(REF)
147	1.1958
247	1.1968
347	1.1968
447	1.1978
547	1.1978
647	1.1988
747	1.1988

ORF	CP	ORF	CP	ORF	CP
1	-0.0032	52	-0.2342	102	-0.5082
2	-0.2952	53	-0.5642	103	-0.6392
3	-0.2572	54	-0.4702	104	-0.6282
4	-0.1482	55	0.1328	105	-0.5362
5	-0.0782	56	0.0928	110	-0.0912
6	-0.0472	57	0.0598	111	-0.1062
7	-0.0412	58	0.0208	112	-0.0762
8	-0.0382	59	-0.0122	113	-0.1052
9	-0.0432	60	-0.0542	114	-0.1182
10	-0.0572	61	-0.1002	115	-0.0452
11	-0.0712	62	-0.1712	116	0.0088
12	-0.1012	63	-0.2842	117	0.0208
13	-0.1532	64	-0.7362	118	-0.0252
14	-0.3442	65	-0.5182	119	-0.0182
15	-0.4272	66	0.1158	120	-0.0122
16	-0.0692	67	0.0578	121	-0.0082
17	-0.0742	68	0.0168	122	-0.1322
18	-0.0472	69	-0.0242	123	-0.1242
19	-0.0342	70	-0.0712	124	-0.0432
20	-0.0252	71	-0.1262	125	-0.0362
21	-0.0242	72	-0.2092	126	-0.0152
22	-0.0292	73	-0.3442	127	-0.0232
23	-0.0432	74	-0.5482	128	-0.1282
24	-2.2222	75	0.0928	129	-0.0552
25	-0.0772	76	0.0378	135	0.0118
26	-0.1162	77	-0.0202	136	0.0088
27	-0.1822	78	-0.0832	137	0.0028
28	-0.3622	79	-0.1562	138	0.0868
29	-0.4562	80	-0.2402	139	0.0878
30	0.0388	81	-0.4462	140	0.0868
32	0.0178	82	-0.5282	141	0.0988
33	0.0068	83	0.0398	142	0.1018
34	0.0008	84	-0.0372	143	0.1008
35	-0.0092	85	-0.0992	145	0.0068
36	-0.0262	86	-0.1662	147	0.1018
37	-0.0452	87	-0.2512	151	0.0098
38	-0.0782	88	-0.3992	152	-0.1332
39	-0.1212	89	-0.4522	153	-0.1592
40	-0.1942	90	-0.0622	154	-0.2262
41	-0.3562	91	-0.1472	155	0.1588
42	-0.4762	92	-0.1942	156	0.1078
43	0.1138	93	-0.2572	157	-0.0692
44	0.0748	94	-0.3642	158	0.3828
45	0.0568	95	-0.3532	159	0.2548
46	0.0388	96	-0.4452	160	0.1818
47	0.0138	97	-0.7242	161	0.0488
48	-0.0142	98	-0.1062	162	0.3528
49	-0.0472	99	-0.1672	163	0.2788
50	-0.0832	100	-0.4332	164	0.0888
51	-0.1422	101	-0.5762	165	-0.0322

ORF	CP	ORF	CP	ORF	CP
166	0.4168	217	-0.1312	268	-0.3812
167	0.2508	218	-0.0562	269	-0.1992
168	0.1998	219	-0.0422	270	-0.1422
169	0.0448	220	-0.0722	271	-0.5152
170	0.2498	221	-0.2332	272	-0.4912
171	0.1078	222	-0.2692	273	-0.1392
172	-0.0732	223	0.1798	274	-0.1192
173	-0.0052	224	0.2628	275	0.3268
174	-0.0912	225	0.2248	276	0.2558
175	-0.2452	226	0.0418	277	0.0828
176	-0.2732	227	-0.6792	278	-0.17602
177	-0.2092	228	-0.6372	279	-0.86632
178	-0.3312	229	-0.5932	280	-0.5362
179	-0.2422	230	-0.3892	281	-0.3032
180	-0.2272	231	-0.1362	282	-0.0832
181	0.2318	232	-0.0732	283	-0.0522
182	0.3258	233	-2.2222	284	-0.0362
183	0.2958	234	-0.0582	285	-0.1162
184	0.4808	235	-0.1552	286	-0.5432
185	0.5988	236	-0.0732	287	-0.5082
186	0.7178	237	0.1178	288	-0.0952
187	0.8218	238	0.0948	289	-0.1132
188	0.8918	239	0.2548	290	-0.1932
189	0.9298	240	0.1108	291	0.4882
190	0.2098	241	-0.6522	292	-0.1282
191	-0.1992	242	-0.6172	325	0.3322
192	-0.2032	244	-0.3222	326	0.3688
193	-0.2052	245	-0.1162	327	0.4168
194	-0.2072	246	-0.0742	328	0.4498
195	-0.1982	247	-0.0582	329	0.5288
196	-0.2192	248	-0.0552	330	0.5928
197	-0.2032	249	-0.0672	331	0.7598
198	-0.2082	250	-0.0032	332	0.8908
199	-0.2162	251	-0.1862	333	0.9648
200	-0.1922	252	-0.2662	334	1.1038
201	-0.1942	253	0.1958	335	1.1508
202	-0.2022	254	0.0398	336	1.1688
203	-0.1982	255	-0.5942	337	1.1708
204	-0.1992	256	-0.5812	338	1.1708
205	0.1858	257	-0.5362	339	1.1718
206	0.2158	258	-0.3442	340	1.1708
207	0.2138	259	-0.1092	341	1.1708
208	0.2208	260	-0.0642	350	-0.0652
210	0.3578	261	-0.0562	351	-0.0482
211	0.2758	262	-0.0762	352	-0.0112
212	0.0978	263	-0.3132	353	0.0188
213	-0.7942	264	-0.3072	354	0.0218
214	-0.7072	265	-0.2332	355	-0.0052
215	-0.6222	266	-0.1842		
216	-0.3832	267	-0.3632		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 29
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 1.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.801
TUNNEL DYNAMIC PRESSURE(PSF) = 620.
TUNNEL STAGNATION PRESSURE(PSF) = 2109.
TUNNEL STATIC PRESSURE(PSF) = 1382.
REYNOLDS NUMBER PER FOOT = 4.0020E 06
MODEL ANGLE OF ATTACK(DEG) = -1.03
FIN ANGLE(DEG) = -0.50
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 552.

SCANIVALE	CP(REF)
147	1.1920
247	1.1910
347	1.1920
447	1.1930
547	1.1970
647	1.1990
747	1.2000

ORF	CP	ORF	CP	ORF	CP
1	-0.0210	52	-0.2520	102	-0.5210
2	-0.3380	53	-0.5850	103	-0.6430
3	-0.3200	54	-0.4890	104	-0.6250
4	-0.1900	55	0.0790	105	-0.5310
5	-0.1150	56	0.0500	110	-0.0920
6	-0.0810	57	0.0190	111	-0.1050
7	-0.0650	58	-0.0090	112	-0.0770
8	-0.0640	59	-0.0410	113	-0.1070
9	-0.0660	60	-0.0780	114	-0.1150
10	-0.0770	61	-0.1300	115	-0.0550
11	-0.0940	62	-0.1930	116	0.0060
12	-0.1210	63	-0.3050	117	0.0190
13	-0.1690	64	-0.7670	118	-0.0170
14	-0.3610	65	-0.5330	119	-0.0170
15	-0.4510	66	0.0670	120	-0.0060
16	-0.1160	67	0.0190	121	-0.0070
17	-0.1170	68	-0.0170	122	-0.1260
18	-0.0860	69	-0.0560	123	-0.1170
19	-0.0660	70	-0.0930	124	-0.0360
20	-0.0500	71	-0.1460	125	-0.0270
21	-0.0500	72	-0.2260	126	-0.0060
22	-0.0500	73	-0.3650	127	-0.0200
23	-0.0610	74	-0.5540	128	-0.1200
24	-2.2290	75	0.0430	129	-0.0500
25	-0.0960	76	0.0020	135	0.0150
26	-0.1310	77	-0.0480	136	0.0130
27	-0.2010	78	-0.1120	137	0.0180
28	-0.3820	79	-0.1770	138	0.0920
29	-0.4710	80	-0.2630	139	0.0920
30	-0.0050	81	-0.4570	140	0.0900
32	-0.0150	82	-0.5290	141	0.1030
33	-0.0150	83	-0.0040	142	0.1020
34	-0.0260	84	-0.0710	143	0.1020
35	-0.0390	85	-0.1300	145	0.0080
36	-0.0490	86	-0.1920	147	0.1030
37	-0.0690	87	-0.2660	151	-0.0120
38	-0.0980	88	-0.4110	152	-0.1420
39	-0.1370	89	-0.4830	153	-0.1670
40	-0.2080	90	-0.0930	154	-0.2310
41	-0.3770	91	-0.1660	155	0.1420
42	-0.4880	92	-0.2150	156	0.0950
43	0.0630	93	-0.2690	157	-0.0780
44	0.0350	94	-0.3710	158	0.3740
45	0.0200	95	-0.3780	159	0.2280
46	0.0020	96	-0.4210	160	0.1540
47	-0.0160	97	-0.7260	161	0.0370
48	-0.0430	98	-0.0850	162	0.3250
49	-0.0730	99	-0.1450	163	0.2390
50	-0.1100	100	-0.4250	164	0.0970
51	-0.1650	101	-0.5740	165	-0.0360

ORF	CP	ORF	CP	ORF	CP
166	0.3750	217	-0.1250	268	-0.3820
167	0.2240	218	-0.0620	269	-0.1850
168	0.1710	219	-0.0570	270	-0.1390
169	0.0320	220	-0.0840	271	-0.5270
170	0.2350	221	-0.2450	272	-0.5080
171	0.0940	222	-0.2710	273	-0.1350
172	-0.0750	223	0.1560	274	-0.1160
173	-0.0160	224	0.2480	275	0.3240
174	-0.1030	225	0.2090	276	0.2580
175	-0.2590	226	0.0300	277	0.0770
176	-0.2680	227	-0.6660	278	-0.8310
177	-0.2230	228	-0.6340	279	-0.7180
178	-0.3410	229	-0.5650	280	-0.5980
179	-0.2760	230	-0.3400	281	-0.3770
180	-0.2200	231	-0.1350	282	-0.1140
181	0.2490	232	-0.0820	283	-0.0730
182	0.3430	233	-2.2290	284	-0.0530
183	0.3550	234	-0.0710	285	-0.1290
184	0.5760	235	-0.1670	286	-0.5450
185	0.6460	236	-0.0870	287	-0.5190
186	0.7590	237	0.1140	288	-0.0960
187	0.8410	238	0.0650	289	-0.1070
188	0.9040	239	0.2250	290	-0.1880
189	0.9450	240	0.0940	291	-0.4900
190	0.2260	241	-0.6450	292	-0.1100
191	-0.1940	242	-0.6050	325	0.2970
192	-0.2000	244	-0.2970	326	0.3340
193	-0.2030	245	-0.1260	327	0.3590
194	-0.2060	246	-0.0860	328	0.4110
195	-0.1960	247	-0.0700	329	0.4440
196	-0.2210	248	-0.0690	330	0.5050
197	-0.2070	249	-0.0800	331	0.6590
198	-0.2060	250	-0.0000	332	0.7530
199	-0.2100	251	-0.1760	333	0.8660
200	-0.1960	252	-0.2580	334	1.0490
201	-0.1980	253	0.1990	335	1.1230
202	-0.2000	254	0.0380	336	1.1510
203	-0.2020	255	-0.6370	337	1.1670
204	-0.2010	256	-0.6230	338	1.1710
205	0.1900	257	-0.5670	339	1.1720
206	0.2170	258	-0.3990	340	1.1720
207	0.2130	259	-0.1320	341	1.1720
208	0.2130	260	-0.0740	350	-0.0550
210	0.3160	261	-0.0670	351	-0.0340
211	0.2600	262	-0.0850	352	0.0060
212	0.0870	263	-0.3190	353	0.0360
213	-0.7840	264	-0.3070	354	0.0380
214	-0.6790	265	-0.2260	355	0.0130
215	-0.5870	266	-0.1770		
216	-0.3140	267	-0.3770		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 30
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 1.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.799
TUNNEL DYNAMIC PRESSURE(PSF) = 620.
TUNNEL STAGNATION PRESSURE(PSF) = 2112.
TUNNEL STATIC PRESSURE(PSF) = 1387.
REYNOLDS NUMBER PER FOOT = 4.0000E 06
MODEL ANGLE OF ATTACK(DEG) = 0.01
FIN ANGLE(DEG) = -0.31
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 552.

SCAN VALUE	CP(REF)
147	1.1869
247	1.1869
347	1.1889
447	1.1889
547	1.1789
647	1.1799
747	1.1799

ORF	CP	ORF	CP	ORF	CP
1	-0.0331	52	-0.2781	102	-0.5241
2	-0.3771	53	-0.6021	103	-0.6361
3	-0.3591	54	-0.4991	104	-0.6201
4	-0.2331	55	0.0289	105	-0.5271
5	-0.1491	56	0.0079	110	-0.1071
6	-0.1051	57	-0.0181	111	-0.1251
7	-0.0871	58	-0.0401	112	-0.0911
8	-0.0871	59	-0.0731	113	-0.1231
9	-0.0871	60	-0.1101	114	-0.1321
10	-0.0971	61	-0.1551	115	-0.0731
11	-0.1141	62	-0.2181	116	-0.0121
12	-0.1391	63	-0.3261	117	0.0129
13	-0.1891	64	-0.7531	118	-0.0321
14	-0.3761	65	-0.5631	119	-0.0321
15	-0.4531	66	0.0139	120	-0.0171
16	-0.1551	67	-0.0181	121	-0.0141
17	-0.1581	68	-0.0491	122	-0.1361
18	-0.1241	69	-0.0871	123	-0.1311
19	-0.1001	70	-0.1271	124	-0.0491
20	-0.0821	71	-0.1781	125	-0.0371
21	-0.0771	72	-0.2541	126	-0.0181
22	-0.0791	73	-0.3841	127	-0.0291
23	-0.0791	74	-0.5611	128	-0.1311
24	-2.2371	75	-0.0071	129	-0.0631
25	-0.1121	76	-0.0451	135	0.0019
26	-0.1501	77	-0.0921	136	-0.0001
27	-0.2191	78	-0.1451	137	-0.0011
28	-0.4011	79	-0.2021	138	0.0769
29	-0.4841	80	-0.2851	139	0.0809
30	-0.0461	81	-0.4861	140	0.0779
32	-0.0531	82	-0.5071	141	0.0879
33	-0.0481	83	-0.0391	142	0.0849
34	-0.0541	84	-0.1061	143	0.0879
35	-0.0641	85	-0.1581	145	-0.0031
36	-0.0731	86	-0.2121	147	0.0899
37	-0.0921	87	-0.2851	151	-0.0341
38	-0.1201	88	-0.4331	152	-0.1531
39	-0.1601	89	-0.4741	153	-0.1791
40	-0.2351	90	-0.1231	154	-0.2301
41	-0.4001	91	-0.1651	155	0.0989
42	-0.4991	92	-0.2151	156	0.0699
43	0.0189	93	-0.2731	157	-0.0931
44	-0.0051	94	-0.3791	158	0.3499
45	-0.0221	95	-0.3771	159	0.1969
46	-0.0321	96	-0.3721	160	0.1339
47	-0.0491	97	-0.7191	161	0.0169
48	-0.0731	98	-0.0581	162	0.2919
49	-0.0991	99	-0.1231	163	0.2039
50	-0.1341	100	-0.4231	164	0.0789
51	-0.1931	101	-0.5831	165	-0.0471

ORF	CP	ORF	CP	ORF	CP
166	0.3499	217	-0.1371	268	-0.4011
167	0.2039	218	-0.0881	269	-0.2031
168	0.1549	219	-0.0851	270	-0.1521
169	0.0129	220	-0.1121	271	-0.5331
170	0.2119	221	-0.2651	272	-0.5171
171	0.0759	222	-0.2911	273	-0.1401
172	-0.0901	223	0.1299	274	-0.1311
173	-0.0331	224	0.1939	275	0.2979
174	-0.1081	225	0.1689	276	0.2379
175	-0.2531	226	0.0139	277	0.0579
176	-0.2691	227	-0.6641	278	-0.8741
177	-0.2421	228	-0.6321	279	-0.7681
178	-0.3651	229	-0.5521	280	-0.6401
179	-0.2801	230	-0.3401	281	-0.4181
180	-0.2291	231	-0.1471	282	-0.1601
181	0.2519	232	-0.1011	283	-0.1131
182	0.3559	233	-2.2371	284	-0.0881
183	0.4139	234	-0.0971	285	-0.1541
184	0.6149	235	-0.1891	286	-0.5641
185	0.6819	236	-0.1151	287	-0.5421
186	0.7569	237	0.0829	288	-0.1131
187	0.8189	238	0.0469	289	-0.1241
188	0.8519	239	0.1829	290	-0.2061
189	0.8779	240	0.0529	291	-0.5251
190	0.2119	241	-0.6561	292	-0.1031
191	-0.2001	242	-0.6141	325	0.2559
192	-0.1991	244	-0.2961	326	0.3029
193	-0.2051	245	-0.1501	327	0.3169
194	-0.2051	246	-0.1151	328	0.3639
195	-0.1951	247	-0.0931	329	0.4039
196	-0.2211	248	-0.0931	330	0.4439
197	-0.2021	249	-0.1021	331	0.5749
198	-0.2051	250	-0.0091	332	0.6779
199	-0.2041	251	-0.1981	333	0.7849
200	-0.1951	252	-0.2731	334	0.9719
201	-0.2001	253	0.1889	335	1.0549
202	-0.2001	254	0.0259	336	1.1139
203	-0.2041	255	-0.6861	337	1.1569
204	-0.2031	256	-0.6621	338	1.1669
205	0.1649	257	-0.6331	339	1.1709
206	0.1939	258	-0.4581	340	1.1689
207	0.1919	259	-0.1641	341	1.1719
208	0.1889	260	-0.1061	350	-0.0581
210	0.2659	261	-0.0981	351	-0.0321
211	0.2219	262	-0.1101	352	0.0119
212	0.0539	263	-0.3461	353	0.0389
213	-0.7841	264	-0.3171	354	0.0379
214	-0.6421	265	-0.2351	355	0.0089
215	-0.5411	266	-0.1931		
216	-0.2831	267	-0.4041		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 31

TUNNEL = 11

TEST NO. = 086

TEST PHASE = 2

RUN NUMBER = 1.

CONFIGURATION NO. = 1.

ANGLE OF MODEL ROLL(DEG) = 0.

MACH NUMBER = 0.801

TUNNEL DYNAMIC PRESSURE(PSF) = 622.

TUNNEL STAGNATION PRESSURE(PSF) = 2114.

TUNNEL STATIC PRESSURE(PSF) = 1386.

REYNOLDS NUMBER PER FOOT = 4.0040E 06

MODEL ANGLE OF ATTACK(DEG) = 1.00

FIN ANGLE(DEG) = -0.15

FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 553.

SCANIVALE CP(REF)

147 1.1857

247 1.1847

347 1.1857

447 1.1857

547 1.1877

647 1.1887

747 1.1887

ORF	CP	ORF	CP	ORF	CP
1	-0.0433	52	-0.2963	102	-0.5193
2	-0.3803	53	-0.6033	103	-0.6483
3	-0.3523	54	-0.5063	104	-0.6343
4	-0.2343	55	-0.0153	105	-0.5233
5	-0.1593	56	-0.0423	110	-0.0983
6	-0.1263	57	-0.0613	111	-0.1173
7	-0.1113	58	-0.0843	112	-0.0813
8	-0.1093	59	-0.1093	113	-0.1233
9	-0.1073	60	-0.1363	114	-0.1263
10	-0.1193	61	-0.1803	115	-0.0683
11	-0.1363	62	-0.2473	116	0.0077
12	-0.1583	63	-0.3473	117	0.0267
13	-0.2053	64	-0.7293	118	-0.0173
14	-0.3863	65	-0.5783	119	-0.0173
15	-0.4613	66	-0.0453	120	-0.0003
16	-0.1803	67	-0.0593	121	-0.0023
17	-0.1783	68	-0.0903	122	-0.1243
18	-0.1433	69	-0.1183	123	-0.1273
19	-0.1253	70	-0.1573	124	-0.0373
20	-0.1053	71	-0.2043	125	-0.0313
21	-0.1053	72	-0.2763	126	-0.0083
22	-0.0983	73	-0.4103	127	-0.0183
23	-0.1063	74	-0.5673	128	-0.1193
24	-2.2283	75	-0.0513	129	-0.0553
25	-0.1383	76	-0.0873	135	0.0087
26	-0.1723	77	-0.1203	136	0.0077
27	-0.2353	78	-0.1673	137	0.0077
28	-0.4133	79	-0.2233	138	0.0837
29	-0.4963	80	-0.3013	139	0.0847
30	-0.0893	81	-0.4993	140	0.0817
32	-0.0813	82	-0.5233	141	0.0927
33	-0.0803	83	-0.0713	142	0.0937
34	-0.0843	84	-0.1353	143	0.0947
35	-0.0933	85	-0.1763	145	0.0037
36	-0.0963	86	-0.2233	147	0.0937
37	-0.1153	87	-0.2943	151	-0.0523
38	-0.1423	88	-0.4363	152	-0.1573
39	-0.1823	89	-0.4853	153	-0.1873
40	-0.2463	90	-0.1533	154	-0.2303
41	-0.4063	91	-0.1863	155	0.1077
42	-0.5003	92	-0.2253	156	0.0437
43	-0.0293	93	-0.2783	157	-0.1023
44	-0.0423	94	-0.3883	158	0.3167
45	-0.0533	95	-0.3753	159	0.1657
46	-0.0643	96	-0.3063	160	0.1027
47	-0.0793	97	-0.6723	161	0.0037
48	-0.0993	98	-0.0533	162	0.2587
49	-0.1273	99	-0.1223	163	0.1827
50	-0.1583	100	-0.3903	164	0.0847
51	-0.2153	101	-0.5823	165	-0.0633

ORF	CP	ORF	CP	ORF	CP
166	0.3147	217	-0.1373	268	-0.3793
167	0.1737	218	-0.0853	269	-0.1783
168	0.1237	219	-0.0893	270	-0.1363
169	-0.0043	220	-0.1183	271	-0.5323
170	0.2127	221	-0.2593	272	-0.4823
171	0.0567	222	-0.2843	273	-0.1273
172	-0.0963	223	0.1227	274	-0.1413
173	-0.0463	224	0.1857	275	0.2787
174	-0.1153	225	0.1657	276	0.2317
175	-0.2483	226	0.0097	277	0.0427
176	-0.2693	227	-0.6503	278	-0.8673
177	-0.2443	228	-0.5993	279	-0.7683
178	-0.3553	229	-0.5343	280	-0.6163
179	-0.2903	230	-0.3133	281	-0.3903
180	-0.2193	231	-0.1403	282	-0.1733
181	0.2817	232	-0.1033	283	-0.1293
182	0.3597	233	-2.2283	284	-0.1043
183	0.4397	234	-0.1033	285	-0.1613
184	0.6197	235	-0.1903	286	-0.5423
185	0.6667	236	-0.1123	287	-0.5183
186	0.6857	237	0.0747	288	-0.1193
187	0.7297	238	0.0357	289	-0.1293
188	0.7887	239	0.1727	290	-0.1883
189	0.8247	240	0.0407	291	-0.5593
190	0.2007	241	-0.6523	292	-0.0883
191	-0.2023	242	-0.6053	325	0.2667
192	-0.2033	244	-0.2923	326	0.2957
193	-0.2013	245	-0.1533	327	0.3167
194	-0.2053	246	-0.1163	328	0.3387
195	-0.2063	247	-0.1023	329	0.3847
196	-0.2173	248	-0.0973	330	0.4397
197	-0.2053	249	-0.1043	331	0.5637
198	-0.2053	250	0.0037	332	0.6807
199	-0.2043	251	-0.1863	333	0.7707
200	-0.2043	252	-0.2663	334	0.9037
201	-0.2003	253	0.1967	335	0.9937
202	-0.2003	254	0.0357	336	1.0767
203	-0.1943	255	-0.7153	337	1.1217
204	-0.1953	256	-0.6783	338	1.1407
205	0.1657	257	-0.6373	339	1.1597
206	0.1837	258	-0.4703	340	1.1677
207	0.1887	259	-0.1823	341	1.1677
208	0.1837	260	-0.1153	350	-0.0293
210	0.2397	261	-0.0993	351	-0.0063
211	0.2067	262	-0.1183	352	0.0347
212	0.0457	263	-0.3433	353	0.0607
213	-0.7303	264	-0.2993	354	0.0587
214	-0.5673	265	-0.2283	355	0.0267
215	-0.4843	266	-0.1843		
216	-0.2553	267	-0.3993		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 32
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 1.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.797
TUNNEL DYNAMIC PRESSURE(PSF) = 620.
TUNNEL STAGNATION PRESSURE(PSF) = 2116.
TUNNEL STATIC PRESSURE(PSF) = 1392.
REYNOLDS NUMBER PER FOOT = 3.9970E 06
MODEL ANGLE OF ATTACK(DEG) = 2.05
FIN ANGLE(DEG) = -0.13
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 553.

SCANIVALE	CP(REF)
147	1.1798
247	1.1798
347	1.1808
447	1.1818
547	1.1678
647	1.1678
747	1.1678

ORF	CP	ORF	CP	ORF	CP
1	-0.0772	52	-0.3212	102	-0.5232
2	-0.3932	53	-0.5932	103	-0.6502
3	-0.3582	54	-0.5012	104	-0.6222
4	-0.2452	55	-0.0872	105	-0.5232
5	-0.1812	56	-0.0962	110	-0.1092
6	-0.1542	57	-0.1072	111	-0.1342
7	-0.1412	58	-0.1222	112	-0.0952
8	-0.1402	59	-0.1482	113	-0.1372
9	-0.1382	60	-0.1742	114	-0.1412
10	-0.1462	61	-0.2132	115	-0.0772
11	-0.1592	62	-0.2662	116	-0.0022
12	-0.1772	63	-0.3702	117	0.0118
13	-0.2292	64	-0.7002	118	-0.0262
14	-0.4052	65	-0.5802	119	-0.0272
15	-0.4752	66	-0.1052	120	-0.0082
16	-0.2002	67	-0.1132	121	-0.0202
17	-0.2032	68	-0.1242	122	-0.1252
18	-0.1682	69	-0.1552	123	-0.1352
19	-0.1502	70	-0.1942	124	-0.0502
20	-0.1402	71	-0.2362	125	-0.0392
21	-0.1292	72	-0.3022	126	-0.0262
22	-0.1312	73	-0.4272	127	-0.0312
23	-0.1372	74	-0.5692	128	-0.1222
24	-2.2452	75	-0.1302	129	-0.0592
25	-0.1642	76	-0.1352	135	-0.0062
26	-0.1992	77	-0.1692	136	-0.0032
27	-0.2642	78	-0.2032	137	-0.0042
28	-0.4192	79	-0.2502	138	0.0778
29	-0.4902	80	-0.3212	139	0.0758
30	-0.1322	81	-0.5182	140	0.0768
32	-0.1322	82	-0.5202	141	0.0838
33	-0.1232	83	-0.1322	142	0.0838
34	-0.1242	84	-0.1822	143	0.0838
35	-0.1292	85	-0.2062	145	-0.0072
36	-0.1362	86	-0.2462	147	0.0838
37	-0.1502	87	-0.3062	151	-0.0642
38	-0.1772	88	-0.4522	152	-0.1602
39	-0.2112	89	-0.4862	153	-0.1872
40	-0.2822	90	-0.1922	154	-0.2322
41	-0.4262	91	-0.2032	155	0.0828
42	-0.5142	92	-0.2412	156	0.0388
43	-0.1002	93	-0.2922	157	-0.1152
44	-0.0972	94	-0.3932	158	0.2868
45	-0.0992	95	-0.3862	159	0.1488
46	-0.1052	96	-0.2722	160	0.0858
47	-0.1162	97	-0.6282	161	-0.0152
48	-0.1352	98	-0.0412	162	0.2358
49	-0.1622	99	-0.0992	163	0.1588
50	-0.1922	100	-0.3902	164	0.0768
51	-0.2442	101	-0.5772	165	-0.0792

ORF	CP	ORF	CP	ORF	CP
166	0.2898	217	-0.1532	268	-0.3482
167	0.1558	218	-0.1082	269	-0.1792
168	0.1148	219	-0.1032	270	-0.1462
169	-0.0142	220	-0.1342	271	-0.5232
170	0.1878	221	-0.2772	272	-0.4212
171	0.0508	222	-0.2812	273	-0.1502
172	-0.1082	223	0.0818	274	-0.1682
173	-0.0572	224	0.1498	275	0.2378
174	-0.1262	225	0.1468	276	0.1848
175	-0.2532	226	-0.0122	277	0.0068
176	-0.2692	227	-0.6492	278	-0.8592
177	-0.2552	228	-0.6042	279	-0.7622
178	-0.3622	229	-0.5262	280	-0.6162
179	-0.2832	230	-0.3252	281	-0.3932
180	-0.2282	231	-0.1532	282	-0.1852
181	0.2668	232	-0.1262	283	-0.1582
182	0.3588	233	-2.2452	284	-0.1322
183	0.3878	234	-0.1142	285	-0.1952
184	0.5718	235	-0.2012	286	-0.5412
185	0.5938	236	-0.1192	287	-0.4922
186	0.6228	237	0.0578	288	-0.1592
187	0.7068	238	0.0188	289	-0.1552
188	0.7938	239	0.1548	290	-0.2002
189	0.8358	240	0.0268	291	-0.6062
190	0.1908	241	-0.6832	292	-0.0762
191	-0.2152	242	-0.6402	325	0.2448
192	-0.2002	244	-0.3142	326	0.2898
193	-0.2042	245	-0.1762	327	0.3078
194	-0.2112	246	-0.1462	328	0.3608
195	-0.2112	247	-0.1222	329	0.3978
196	-0.2252	248	-0.1142	330	0.4348
197	-0.2092	249	-0.1122	331	0.5818
198	-0.2162	250	-0.0022	332	0.6898
199	-0.2072	251	-0.1932	333	0.7688
200	-0.2182	252	-0.2702	334	0.9038
201	-0.2092	253	0.1728	335	0.9698
202	-0.2052	254	0.0068	336	1.0238
203	-0.2032	255	-0.7422	337	1.0768
204	-0.2012	256	-0.7152	338	1.1128
205	0.1428	257	-0.6472	339	1.1388
206	0.1618	258	-0.4662	340	1.1438
207	0.1598	259	-0.2092	341	1.1638
208	0.1568	260	-0.1482	350	-0.0202
210	0.1768	261	-0.1332	351	0.0048
211	0.1668	262	-0.1412	352	0.0448
212	0.0208	263	-0.3572	353	0.0708
213	-0.7122	264	-0.3032	354	0.0598
214	-0.5622	265	-0.2222	355	0.0268
215	-0.4292	266	-0.1852		
216	-0.2332	267	-0.4122		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 33
TUNNEL = 11
TEST NO. = 086
TEST PHASE = .2
RUN NUMBER = 1.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.795
TUNNEL DYNAMIC PRESSURE(PSF) = 618.
TUNNEL STAGNATION PRESSURE(PSF) = 2118.
TUNNEL STATIC PRESSURE(PSF) = 1396.
REYNOLDS NUMBER PER FOOT = 3.9910E 06
MODEL ANGLE OF ATTACK(DEG) = 4.05
FIN ANGLE(DEG) = -0.33
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 553.

SCANIVALE	CP(REF)
147	1.1781
247	1.1771
347	1.1771
447	1.1781
547	1.1651
647	1.1671
747	1.1671

ORF	CP	ORF	CP	ORF	CP
1	-0.1379	52	-0.3539	102	-0.4979
2	-0.3869	53	-0.5619	103	-0.6479
3	-0.3659	54	-0.5019	104	-0.6239
4	-0.2809	55	-0.4069	105	-0.5049
5	-0.2259	56	-0.2209	110	-0.1209
6	-0.1989	57	-0.1779	111	-0.1529
7	-0.1849	58	-0.1959	112	-0.1039
8	-0.1919	59	-0.2109	113	-0.1579
9	-0.1879	60	-0.2399	114	-0.1679
10	-0.1959	61	-0.2619	115	-0.0919
11	-0.2059	62	-0.3079	116	0.0001
12	-0.2259	63	-0.4039	117	0.0111
13	-0.2659	64	-0.6599	118	-0.0399
14	-0.4119	65	-0.5809	119	-0.0369
15	-0.4709	66	-0.4829	120	-0.0209
16	-0.2549	67	-0.2829	121	-0.0349
17	-0.2519	68	-0.2109	122	-0.1259
18	-0.2359	69	-0.2229	123	-0.1579
19	-0.2179	70	-0.2469	124	-0.0689
20	-0.2089	71	-0.2759	125	-0.0529
21	-0.1959	72	-0.3369	126	-0.0409
22	-0.1919	73	-0.4659	127	-0.0549
23	-0.1989	74	-0.5599	128	-0.1259
24	-2.2589	75	-0.5369	129	-0.0729
25	-0.2259	76	-0.3209	135	-0.0209
26	-0.2529	77	-0.2589	136	-0.0239
27	-0.3099	78	-0.2529	137	-0.0159
28	-0.4309	79	-0.2899	138	0.0651
29	-0.4799	80	-0.3439	139	0.0671
30	-0.2269	81	-0.5349	140	0.0651
32	-0.2039	82	-0.5119	141	0.0731
33	-0.1939	83	-0.4829	142	0.0731
34	-0.2029	84	-0.3589	143	0.0701
35	-0.1949	85	-0.2689	145	-0.0279
36	-0.2059	86	-0.2689	147	0.0751
37	-0.2149	87	-0.3219	151	-0.0729
38	-0.2439	88	-0.4519	152	-0.1689
39	-0.2699	89	-0.4629	153	-0.1969
40	-0.3309	90	-0.5389	154	-0.2409
41	-0.4479	91	-0.3619	155	0.0691
42	-0.4919	92	-0.2769	156	0.0061
43	-0.3009	93	-0.2979	157	-0.1239
44	-0.1879	94	-0.3929	158	0.2561
45	-0.1729	95	-0.3869	159	0.1161
46	-0.1789	96	-0.2009	160	0.0601
47	-0.1839	97	-0.5729	161	-0.0489
48	-0.1949	98	-0.0119	162	0.1821
49	-0.2099	99	-0.0619	163	0.1311
50	-0.2459	100	-0.3999	164	0.0661
51	-0.2909	101	-0.5589	165	-0.1079

ORF	CP	ORF	CP	ORF	CP
166	0.2391	217	-0.1809	268	-0.3529
167	0.1311	218	-0.1389	269	-0.1999
168	0.0781	219	-0.1389	270	-0.1789
169	-0.0329	220	-0.1669	271	-0.5169
170	0.1571	221	-0.2929	272	-0.3799
171	0.0301	222	-0.2909	273	-0.1789
172	-0.1289	223	0.0521	274	-0.2039
173	-0.0599	224	0.1041	275	0.1731
174	-0.1399	225	0.1101	276	0.1061
175	-0.2639	226	-0.0469	277	-0.0679
176	-0.2829	227	-0.7059	278	-0.8259
177	-0.2589	228	-0.6489	279	-0.7209
178	-0.3619	229	-0.5599	280	-0.5949
179	-0.2759	230	-0.3449	281	-0.3929
180	-0.2359	231	-0.1929	282	-0.2289
181	0.1301	232	-0.1639	283	-0.2179
182	0.2361	233	-2.2589	284	-0.1859
183	0.3901	234	-0.1449	285	-0.2399
184	0.5871	235	-0.2169	286	-0.5379
185	0.6351	236	-0.1359	287	-0.4479
186	0.6901	237	0.0331	288	-0.2029
187	0.7521	238	-0.0049	289	-0.1849
188	0.8311	239	0.1161	290	-0.2199
189	0.8881	240	-0.0089	291	-0.6589
190	0.2781	241	-0.7269	292	-0.0529
191	-0.2319	242	-0.6789	325	0.2201
192	-0.2179	244	-0.3629	326	0.2471
193	-0.2209	245	-0.2199	327	0.3051
194	-0.2149	246	-0.1819	328	0.3331
195	-0.2229	247	-0.1699	329	0.3951
196	-0.2269	248	-0.1539	330	0.4471
197	-0.2259	249	-0.1429	331	0.5801
198	-0.2229	250	-0.0119	332	0.6761
199	-0.2279	251	-0.2089	333	0.7491
200	-0.2259	252	-0.2739	334	0.8281
201	-0.2169	253	0.1131	335	0.9061
202	-0.2219	254	-0.0489	336	0.9631
203	-0.2159	255	-0.7859	337	0.9961
204	-0.2229	256	-0.7249	338	1.0431
205	0.1061	257	-0.6659	339	1.0561
206	0.1311	258	-0.4519	340	1.0881
207	0.1221	259	-0.2369	341	1.1131
208	0.1151	260	-0.1939	350	0.0311
210	0.1251	261	-0.1829	351	0.0451
211	0.1151	262	-0.1889	352	0.0791
212	-0.0199	263	-0.3759	353	0.0941
213	-0.6989	264	-0.3169	354	0.0821
214	-0.4989	265	-0.2419	355	0.0441
215	-0.4179	266	-0.2069		
216	-0.2449	267	-0.4239		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 34
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 1.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.799
TUNNEL DYNAMIC PRESSURE(PSF) = 622.
TUNNEL STAGNATION PRESSURE(PSF) = 2120.
TUNNEL STATIC PRESSURE(PSF) = 1393.
REYNOLDS NUMBER PER FOOT = 4.0010E 06
MODEL ANGLE OF ATTACK(DEG) = 6.05
FIN ANGLE(DEG) = -0.53
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 554.

SCANIVALE	CP(REF)
147	1.1755
247	1.1755
347	1.1745
447	1.1765
547	1.1695
647	1.1705
747	1.1715

ORF	CP	ORF	CP	ORF	CP
1	-0.2265	52	-0.3695	102	-0.4785
2	-0.4165	53	-0.5465	103	-0.6455
3	-0.3685	54	-0.4965	104	-0.6265
4	-0.2985	55	-0.6645	105	-0.5025
5	-0.2605	56	-0.5225	110	-0.1005
6	-0.2355	57	-0.3535	111	-0.1355
7	-0.2225	58	-0.2715	112	-0.0885
8	-0.2235	59	-0.2465	113	-0.1505
9	-0.2265	60	-0.2595	114	-0.1585
10	-0.2285	61	-0.2815	115	-0.0855
11	-0.2325	62	-0.3285	116	0.0205
12	-0.2555	63	-0.4025	117	0.0355
13	-0.2905	64	-0.6435	118	-0.0375
14	-0.4115	65	-0.5795	119	-0.0365
15	-0.4495	66	-0.6775	120	-0.0095
16	-0.3315	67	-0.6265	121	-0.0345
17	-0.2985	68	-0.4785	122	-0.1095
18	-0.2775	69	-0.3375	123	-0.1545
19	-0.2595	70	-0.2815	124	-0.0685
20	-0.2485	71	-0.2975	125	-0.0505
21	-0.2425	72	-0.3535	126	-0.0325
22	-0.2375	73	-0.4635	127	-0.0405
23	-0.2365	74	-0.5395	128	-0.1115
24	-2.2395	75	-0.6715	129	-0.0565
25	-0.2595	76	-0.6635	135	-0.0105
26	-0.2795	77	-0.5695	136	-0.0165
27	-0.3285	78	-0.4355	137	-0.0135
28	-0.4275	79	-0.3385	138	0.0725
29	-0.4735	80	-0.3515	139	0.0705
30	-0.4225	81	-0.4945	140	0.0685
32	-0.2425	82	-0.4865	141	0.0865
33	-0.2375	83	-0.5995	142	0.0885
34	-0.2355	84	-0.6735	143	0.0815
35	-0.2335	85	-0.5995	145	-0.0255
36	-0.2415	86	-0.4645	147	0.0875
37	-0.2565	87	-0.3845	151	-0.0655
38	-0.2735	88	-0.4205	152	-0.1665
39	-0.2965	89	-0.4395	153	-0.1935
40	-0.3435	90	-0.6355	154	-0.2365
41	-0.4355	91	-0.6285	155	0.0435
42	-0.4805	92	-0.5665	156	0.0105
43	-0.6035	93	-0.4835	157	-0.1205
44	-0.3715	94	-0.4225	158	0.2145
45	-0.2465	95	-0.3865	159	0.0975
46	-0.2155	96	-0.1645	160	0.0485
47	-0.2185	97	-0.5865	161	-0.0405
48	-0.2285	98	0.0395	162	0.1575
49	-0.2475	99	-0.0215	163	0.0965
50	-0.2785	100	-0.3965	164	0.0715
51	-0.3155	101	-0.5385	165	-0.1075

ORF	CP	ORF	CP	ORF	CP
166	0.2135	217	-0.1955	268	-0.3625
167	0.1275	218	-0.1585	269	-0.2105
168	0.0775	219	-0.1595	270	-0.1795
169	-0.0405	220	-0.1725	271	-0.5005
170	0.1315	221	-0.2715	272	-0.3855
171	0.0255	222	-0.2725	273	-0.1765
172	-0.1135	223	0.0465	274	-0.1805
173	-0.0635	224	0.0975	275	0.1155
174	-0.1385	225	0.0865	276	0.0275
175	-0.2485	226	-0.0535	277	-0.1285
176	-0.2755	227	-0.7045	278	-0.7805
177	-0.2485	228	-0.6465	279	-0.6615
178	-0.3295	229	-0.5755	280	-0.5475
179	-0.2755	230	-0.3565	281	-0.3825
180	-0.2235	231	-0.2045	282	-0.2535
181	0.0525	232	-0.1745	283	-0.2475
182	0.1625	233	-2.2395	284	-0.2215
183	0.3055	234	-0.1625	285	-0.2625
184	0.4655	235	-0.2195	286	-0.5145
185	0.5245	236	-0.1295	287	-0.4305
186	0.5945	237	0.0255	288	-0.1865
187	0.7405	238	0.0095	289	-0.1775
188	0.8615	239	0.0955	290	-0.2045
189	0.9395	240	-0.0285	291	-0.6335
190	0.2375	241	-0.7385	292	0.0115
191	-0.2175	242	-0.6965	325	0.2305
192	-0.2105	244	-0.3855	326	0.2735
193	-0.2075	245	-0.2395	327	0.3105
194	-0.2065	246	-0.2105	328	0.3535
195	-0.2275	247	-0.1905	329	0.4135
196	-0.2255	248	-0.1735	330	0.4635
197	-0.2105	249	-0.1615	331	0.6005
198	-0.2145	250	-0.0005	332	0.6495
199	-0.2165	251	-0.1965	333	0.7195
200	-0.2215	252	-0.2555	334	0.7825
201	-0.2155	253	0.0545	335	0.8515
202	-0.2035	254	-0.0905	336	0.9255
203	-0.2115	255	-0.7705	337	0.9785
204	-0.2125	256	-0.6985	338	1.0165
205	0.0925	257	-0.6315	339	1.0425
206	0.1195	258	-0.4185	340	1.0535
207	0.0985	259	-0.2625	341	1.0755
208	0.1025	260	-0.2265	350	0.0835
210	0.0895	261	-0.2175	351	0.1025
211	0.0955	262	-0.2235	352	0.1215
212	-0.0425	263	-0.3805	353	0.1315
213	-0.6775	264	-0.3295	354	0.1195
214	-0.5045	265	-0.2445	355	0.0805
215	-0.3965	266	-0.2115		
216	-0.2535	267	-0.4215		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 35
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 1.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.799
TUNNEL DYNAMIC PRESSURE(PSF) = 623.
TUNNEL STAGNATION PRESSURE(PSF) = 2121.
TUNNEL STATIC PRESSURE(PSF) = 1393.
REYNOLDS NUMBER PER FOOT = 4.0000E 06
MODEL ANGLE OF ATTACK(DEG) = 7.97
FIN ANGLE(DEG) = -0.42
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 554.

SCANIVALE	CP(REF)
147	1.1740
247	1.1730
347	1.1740
447	1.1740
547	1.1630
647	1.1640
747	1.1630

ORF	CP	ORF	CP	ORF	CP
1	-0.3420	52	-0.3980	102	-0.4920
2	-0.4860	53	-0.5760	103	-0.6750
3	-0.4260	54	-0.5110	104	-0.6610
4	-0.3340	55	-0.7690	105	-0.5230
5	-0.2880	56	-0.7750	110	-0.0990
6	-0.2670	57	-0.6110	111	-0.1400
7	-0.2630	58	-0.3890	112	-0.0890
8	-0.2510	59	-0.2960	113	-0.1590
9	-0.2520	60	-0.2670	114	-0.1780
10	-0.2570	61	-0.2880	115	-0.0910
11	-0.2710	62	-0.3240	116	0.0290
12	-0.2810	63	-0.4140	117	0.0390
13	-0.3170	64	-0.6980	118	-0.0510
14	-0.4500	65	-0.6070	119	-0.0510
15	-0.4750	66	-0.7550	120	-0.0150
16	-0.4670	67	-0.7840	121	-0.0510
17	-0.3840	68	-0.7460	122	-0.1130
18	-0.3280	69	-0.6280	123	-0.1790
19	-0.3120	70	-0.4780	124	-0.0870
20	-0.2900	71	-0.3700	125	-0.0650
21	-0.2760	72	-0.3760	126	-0.0450
22	-0.2670	73	-0.4620	127	-0.0520
23	-0.2760	74	-0.5320	128	-0.1180
24	-2.2360	75	-0.7590	129	-0.0650
25	-0.2850	76	-0.7790	135	-0.0260
26	-0.3050	77	-0.7600	136	-0.0350
27	-0.3500	78	-0.7040	137	-0.0280
28	-0.4520	79	-0.5990	138	0.0610
29	-0.4850	80	-0.4950	139	0.0610
30	-0.5960	81	-0.5210	140	0.0630
32	-0.2930	82	-0.4900	141	0.0820
33	-0.2810	83	-0.6650	142	0.0850
34	-0.2790	84	-0.7740	143	0.0800
35	-0.2760	85	-0.7750	145	-0.0410
36	-0.2810	86	-0.7080	147	0.0820
37	-0.2880	87	-0.6170	151	-0.0720
38	-0.3050	88	-0.5390	152	-0.1790
39	-0.3310	89	-0.4730	153	-0.1940
40	-0.3700	90	-0.6960	154	-0.2430
41	-0.4570	91	-0.6630	155	0.0470
42	-0.4890	92	-0.6920	156	0.0060
43	-0.7660	93	-0.6750	157	-0.1270
44	-0.6010	94	-0.5990	158	0.2030
45	-0.3550	95	-0.4490	159	0.1180
46	-0.2550	96	-0.1820	160	0.0570
47	-0.2440	97	-0.6790	161	-0.0470
48	-0.2580	98	0.0640	162	0.1580
49	-0.2840	99	0.0090	163	0.1120
50	-0.3040	100	-0.3820	164	0.0620
51	-0.3430	101	-0.5360	165	-0.0960

ORF	CP	ORF	CP	ORF	CP
166	0.1980	217	-0.2290	268	-0.4010
167	0.1260	218	-0.1910	269	-0.2330
168	0.0780	219	-0.1900	270	-0.1810
169	-0.0390	220	-0.1980	271	-0.5140
170	0.1560	221	-0.2830	272	-0.4500
171	0.0320	222	-0.2940	273	-0.1890
172	-0.1110	223	0.0250	274	-0.1800
173	-0.0580	224	0.0870	275	0.0870
174	-0.1450	225	0.0630	276	-0.0240
175	-0.2610	226	-0.0820	277	-0.1800
176	-0.2940	227	-0.7620	278	-0.8400
177	-0.2560	228	-0.6930	279	-0.6890
178	-0.3400	229	-0.6020	280	-0.6030
179	-0.2820	230	-0.3990	281	-0.4250
180	-0.2350	231	-0.2450	282	-0.2890
181	-0.0800	232	-0.2130	283	-0.2830
182	0.0620	233	-2.2360	284	-0.2560
183	0.4500	234	-0.1840	285	-0.2900
184	0.6230	235	-0.2320	286	-0.5230
185	0.6830	236	-0.1410	287	-0.4520
186	0.7400	237	0.0220	288	-0.1740
187	0.8770	238	0.0030	289	-0.1720
188	0.9890	239	0.0690	290	-0.2130
189	1.0530	240	-0.0580	291	-0.6080
190	0.2810	241	-0.7620	292	0.0470
191	-0.2190	242	-0.7150	325	0.2200
192	-0.2170	244	-0.4400	326	0.2640
193	-0.2100	245	-0.2770	327	0.2950
194	-0.2170	246	-0.2470	328	0.3480
195	-0.2280	247	-0.2310	329	0.3960
196	-0.2250	248	-0.2100	330	0.4420
197	-0.2200	249	-0.1910	331	0.5600
198	-0.2170	250	-0.0050	332	0.6280
199	-0.2160	251	-0.1990	333	0.6670
200	-0.2210	252	-0.2660	334	0.7040
201	-0.2240	253	0.0000	335	0.7770
202	-0.2140	254	-0.1450	336	0.8650
203	-0.2150	255	-0.7880	337	0.9500
204	-0.2170	256	-0.7100	338	1.0260
205	0.0490	257	-0.6320	339	1.0770
206	0.0900	258	-0.4370	340	1.1110
207	0.0550	259	-0.2970	341	1.1260
208	0.0450	260	-0.2760	350	0.1110
210	0.0630	261	-0.2620	351	0.1250
211	0.0780	262	-0.2680	352	0.1440
212	-0.0550	263	-0.4100	353	0.1500
213	-0.6940	264	-0.3680	354	0.1370
214	-0.5310	265	-0.2660	355	0.0960
215	-0.4160	266	-0.2250		
216	-0.2690	267	-0.4420		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 36

TUNNEL = 11

TEST NO. = 086

TEST PHASE = 2

RUN NUMBER = 1.

CONFIGURATION NO. = 1.

ANGLE OF MODEL ROLL(DEG) = 0.

MACH NUMBER = 0.799

TUNNEL DYNAMIC PRESSURE(PSF) = 623.

TUNNEL STAGNATION PRESSURE(PSF) = 2121.

TUNNEL STATIC PRESSURE(PSF) = 1393.

REYNOLDS NUMBER PER FOOT = 3.9980E 06

MODEL ANGLE OF ATTACK(DEG) = 9.99

FIN ANGLE(DEG) = -0.26

FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 555.

SCANIVALE	CP(REF)
147	1.1730
247	1.1740
347	1.1740
447	1.1740
547	1.1790
647	1.1800
747	1.1790

ORF	CP	ORF	CP	ORF	CP
1	-0.3300	52	-0.4140	102	-0.4930
2	-0.5460	53	-0.5750	103	-0.6930
3	-0.4740	54	-0.5150	104	-0.6740
4	-0.3770	55	-0.8910	105	-0.5450
5	-0.3200	56	-0.9090	110	-0.0660
6	-0.2950	57	-0.6780	111	-0.1130
7	-0.2850	58	-0.4310	112	-0.0660
8	-0.2770	59	-0.2960	113	-0.1440
9	-0.2730	60	-0.2800	114	-0.1620
10	-0.2750	61	-0.3100	115	-0.0650
11	-0.2840	62	-0.3470	116	0.0650
12	-0.2960	63	-0.4350	117	0.0670
13	-0.3290	64	-0.6850	118	-0.0350
14	-0.4560	65	-0.6140	119	-0.0330
15	-0.4880	66	-0.8610	120	-0.0030
16	-0.4800	67	-0.9110	121	-0.0430
17	-0.4080	68	-0.8940	122	-0.0920
18	-0.3610	69	-0.7420	123	-0.1880
19	-0.3430	70	-0.5400	124	-0.0790
20	-0.3200	71	-0.3840	125	-0.0520
21	-0.2970	72	-0.3720	126	-0.0390
22	-0.2920	73	-0.4290	127	-0.0430
23	-0.2930	74	-0.5110	128	-0.0980
24	-2.2360	75	-0.8520	129	-0.0490
25	-0.3000	76	-0.8760	135	-0.0170
26	-0.3190	77	-0.8920	136	-0.0280
27	-0.3650	78	-0.8490	137	-0.0170
28	-0.4580	79	-0.7370	138	0.0730
29	-0.4960	80	-0.5990	139	0.0730
30	-0.6330	81	-0.5410	140	0.0710
32	-0.3260	82	-0.4830	141	0.1000
33	-0.3020	83	-0.7550	142	0.1090
34	-0.3060	84	-0.8710	143	0.1040
35	-0.2860	85	-0.8800	145	-0.0300
36	-0.2870	86	-0.8390	147	0.1040
37	-0.3100	87	-0.7440	151	-0.0630
38	-0.3170	88	-0.6420	152	-0.1770
39	-0.3370	89	-0.5230	153	-0.2020
40	-0.3860	90	-0.7490	154	-0.2540
41	-0.4680	91	-0.7020	155	0.0310
42	-0.5030	92	-0.6960	156	0.0160
43	-0.8930	93	-0.6850	157	-0.1300
44	-0.6500	94	-0.6370	158	0.2250
45	-0.3800	95	-0.4940	159	0.1270
46	-0.2780	96	-0.2540	160	0.0620
47	-0.2690	97	-0.6490	161	-0.0300
48	-0.2890	98	0.0780	162	0.1760
49	-0.3050	99	0.0320	163	0.1140
50	-0.3280	100	-0.3770	164	0.0670
51	-0.3650	101	-0.5590	165	-0.0960

ORF	CP	ORF	CP	ORF	CP
166	0.2160	217	-0.2400	268	-0.3840
167	0.1540	218	-0.1940	269	-0.2250
168	0.1000	219	-0.1830	270	-0.1690
169	-0.0270	220	-0.1950	271	-0.5070
170	0.1770	221	-0.2650	272	-0.4150
171	0.0410	222	-0.2790	273	-0.1730
172	-0.1230	223	0.0450	274	-0.1610
173	-0.0510	224	0.1060	275	0.0940
174	-0.1400	225	0.0720	276	-0.0210
175	-0.2750	226	-0.0750	277	-0.1750
176	-0.2990	227	-0.8010	278	-0.8740
177	-0.2590	228	-0.7360	279	-0.7660
178	-0.3570	229	-0.6530	280	-0.6630
179	-0.3050	230	-0.4120	281	-0.4700
180	-0.2340	231	-0.2490	282	-0.3250
181	0.0670	232	-0.2170	283	-0.2960
182	0.2440	233	-2.2360	284	-0.2600
183	0.5800	234	-0.1820	285	-0.2940
184	0.7620	235	-0.2240	286	-0.5180
185	0.8310	236	-0.1210	287	-0.4400
186	0.9140	237	0.0380	288	-0.1540
187	1.0380	238	0.0360	289	-0.1600
188	1.1300	239	0.0640	290	-0.2030
189	1.1490	240	-0.0630	291	-0.5680
190	0.3350	241	-0.7720	292	0.1020
191	-0.2350	242	-0.7400	325	0.2590
192	-0.2150	244	-0.4610	326	0.3160
193	-0.2100	245	-0.2820	327	0.3470
194	-0.2100	246	-0.2500	328	0.4150
195	-0.2220	247	-0.2440	329	0.4690
196	-0.2220	248	-0.2160	330	0.4850
197	-0.2130	249	-0.1890	331	0.6010
198	-0.2110	250	0.0090	332	0.6460
199	-0.2180	251	-0.1970	333	0.6740
200	-0.2250	252	-0.2430	334	0.6730
201	-0.2090	253	-0.0160	335	0.6880
202	-0.2070	254	-0.1680	336	0.7760
203	-0.2150	255	-0.8150	337	0.8670
204	-0.2160	256	-0.7510	338	1.0090
205	0.0270	257	-0.6600	339	1.0980
206	0.0730	258	-0.4490	340	1.1260
207	0.0180	259	-0.3220	341	1.1380
208	-0.0110	260	-0.2890	350	0.1660
210	0.0640	261	-0.2640	351	0.1640
211	0.0810	262	-0.2620	352	0.1860
212	-0.0540	263	-0.4060	353	0.1900
213	-0.7370	264	-0.3510	354	0.1630
214	-0.5420	265	-0.2500	355	0.1290
215	-0.4570	266	-0.2060		
216	-0.3130	267	-0.4380		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 37
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 1.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.796
TUNNEL DYNAMIC PRESSURE(PSF) = 619.
TUNNEL STAGNATION PRESSURE(PSF) = 2121.
TUNNEL STATIC PRESSURE(PSF) = 1398.
REYNOLDS NUMBER PER FOOT = 3.9870E 06
MODEL ANGLE OF ATTACK(DEG) = 12.04
FIN ANGLE(DEG) = -0.02
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 555.

SCANIVALUE	CP(REF)
147	1.1695
247	1.1695
347	1.1705
447	1.1715
547	1.1685
647	1.1695
747	1.1695

ORF	CP	ORF	CP	ORF	CP
1	-0.3205	52	-0.4435	102	-0.4955
2	-0.5485	53	-0.5525	103	-0.6875
3	-0.4855	54	-0.5205	104	-0.6715
4	-0.3955	55	-1.0115	105	-0.5885
5	-0.3565	56	-0.9735	110	-0.0605
6	-0.3265	57	-0.6525	111	-0.1155
7	-0.3165	58	-0.4005	112	-0.0735
8	-0.3025	59	-0.3445	113	-0.1555
9	-0.3025	60	-0.3425	114	-0.1725
10	-0.3065	61	-0.3635	115	-0.0705
11	-0.3105	62	-0.4035	116	0.0825
12	-0.3275	63	-0.4695	117	0.0635
13	-0.3545	64	-0.6335	118	-0.0415
14	-0.4705	65	-0.6055	119	-0.0455
15	-0.4915	66	-0.9855	120	-0.0195
16	-0.4555	67	-1.0835	121	-0.0745
17	-0.4045	68	-1.0395	122	-0.1135
18	-0.3825	69	-0.8475	123	-0.2235
19	-0.3605	70	-0.5345	124	-0.1075
20	-0.3375	71	-0.3915	125	-0.0755
21	-0.3285	72	-0.3775	126	-0.0655
22	-0.3235	73	-0.4435	127	-0.0735
23	-0.3165	74	-0.4985	128	-0.1235
24	-2.2585	75	-0.9545	129	-0.0495
25	-0.3265	76	-1.0215	135	-0.0415
26	-0.3455	77	-1.0615	136	-0.0505
27	-0.3845	78	-1.0225	137	-0.0355
28	-0.4695	79	-0.8605	138	0.0575
29	-0.5005	80	-0.6375	139	0.0535
30	-0.5205	81	-0.5025	140	0.0545
32	-0.3445	82	-0.4255	141	0.0915
33	-0.3415	83	-0.8255	142	0.1075
34	-0.3325	84	-0.9845	143	0.0925
35	-0.3295	85	-1.0095	145	-0.0565
36	-0.3335	86	-0.9915	147	0.1005
37	-0.3295	87	-0.9125	151	-0.0525
38	-0.3505	88	-0.7715	152	-0.1935
39	-0.3665	89	-0.5705	153	-0.2215
40	-0.4075	90	-0.8355	154	-0.2645
41	-0.4755	91	-0.7845	155	0.0635
42	-0.4885	92	-0.7715	156	0.0215
43	-0.9005	93	-0.7615	157	-0.1345
44	-0.5825	94	-0.7035	158	0.2595
45	-0.3745	95	-0.5415	159	0.1555
46	-0.3315	96	-0.3115	160	0.0785
47	-0.3355	97	-0.5965	161	-0.0295
48	-0.3445	98	0.0905	162	0.1865
49	-0.3555	99	0.0535	163	0.1355
50	-0.3695	100	-0.3825	164	0.0515
51	-0.3965	101	-0.5525	165	-0.0935

ORF	CP	ORF	CP	ORF	CP
166	0.2305	217	-0.2795	268	-0.3735
167	0.1645	218	-0.2315	269	-0.2325
168	0.1105	219	-0.2135	270	-0.1835
169	-0.0245	220	-0.2165	271	-0.5095
170	0.2085	221	-0.2895	272	-0.3895
171	0.0465	222	-0.2975	273	-0.1965
172	-0.1075	223	0.0505	274	-0.1945
173	-0.0435	224	0.1195	275	0.0665
174	-0.1445	225	0.0665	276	-0.0475
175	-0.2955	226	-0.0905	277	-0.2065
176	-0.3215	227	-0.8905	278	-0.8915
177	-0.2665	228	-0.8205	279	-0.7905
178	-0.3805	229	-0.7245	280	-0.6755
179	-0.3125	230	-0.4885	281	-0.4815
180	-0.2585	231	-0.3045	282	-0.3395
181	0.0465	232	-0.2485	283	-0.3225
182	0.2295	233	-2.2585	284	-0.3015
183	0.6935	234	-0.2025	285	-0.3255
184	0.8615	235	-0.2435	286	-0.5295
185	0.8665	236	-0.1185	287	-0.4115
186	0.9455	237	0.0585	288	-0.1925
187	1.0925	238	0.0385	289	-0.1765
188	1.1515	239	0.0525	290	-0.2135
189	1.1565	240	-0.0845	291	-0.5375
190	0.3815	241	-0.8185	292	0.1305
191	-0.2275	242	-0.7985	325	0.2605
192	-0.2125	244	-0.5405	326	0.3495
193	-0.2175	245	-0.3375	327	0.3975
194	-0.2185	246	-0.2895	328	0.4565
195	-0.2295	247	-0.2685	329	0.5295
196	-0.2295	248	-0.2465	330	0.5715
197	-0.2165	249	-0.2015	331	0.6695
198	-0.2105	250	-0.0045	332	0.6955
199	-0.2205	251	-0.1915	333	0.7065
200	-0.2255	252	-0.2355	334	0.6795
201	-0.2245	253	-0.0535	335	0.6245
202	-0.2125	254	-0.2055	336	0.6345
203	-0.2165	255	-0.8365	337	0.7575
204	-0.2255	256	-0.7685	338	0.8965
205	-0.0425	257	-0.6785	339	1.0525
206	0.0115	258	-0.4775	340	1.1205
207	-0.0385	259	-0.3475	341	1.1455
208	-0.0835	260	-0.3185	350	0.1825
210	0.0435	261	-0.2945	351	0.1825
211	0.0745	262	-0.2895	352	0.2025
212	-0.0515	263	-0.4265	353	0.2085
213	-0.8445	264	-0.3715	354	0.1685
214	-0.6315	265	-0.2485	355	0.1365
215	-0.5255	266	-0.2165		
216	-0.3605	267	-0.4525		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 38
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 1.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.798
TUNNEL DYNAMIC PRESSURE(PSF) = 622.
TUNNEL STAGNATION PRESSURE(PSF) = 2123.
TUNNEL STATIC PRESSURE(PSF) = 1396.
REYNOLDS NUMBER PER FOOT = 3.9910E 06
MODEL ANGLE OF ATTACK(DEG) = 14.49
FIN ANGLE(DEG) = -0.01
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 555.

SCANIVALE	CP(REF)
147	1.1706
247	1.1696
347	1.1706
447	1.1706
547	1.1506
647	1.1526
747	1.1516

ORF	CP	ORF	CP	ORF	CP
1	-0.3454	52	-0.4374	102	-0.4854
2	-0.5714	53	-0.5454	103	-0.6644
3	-0.5174	54	-0.5074	104	-0.6484
4	-0.4154	55	-1.0214	105	-0.5554
5	-0.3724	56	-0.9534	110	-0.0584
6	-0.3434	57	-0.7054	111	-0.1174
7	-0.3284	58	-0.5244	112	-0.0734
8	-0.3314	59	-0.4094	113	-0.1684
9	-0.3164	60	-0.3904	114	-0.1934
10	-0.3214	61	-0.4044	115	-0.0614
11	-0.3344	62	-0.4314	116	0.0936
12	-0.3354	63	-0.4854	117	0.0656
13	-0.3644	64	-0.5964	118	-0.0554
14	-0.4744	65	-0.5894	119	-0.0534
15	-0.4964	66	-1.0374	120	-0.0424
16	-0.4714	67	-1.1184	121	-0.1154
17	-0.4384	68	-1.0184	122	-0.1334
18	-0.4014	69	-0.8454	123	-0.2834
19	-0.3824	70	-0.5914	124	-0.1454
20	-0.3644	71	-0.4794	125	-0.1184
21	-0.3474	72	-0.4504	126	-0.1024
22	-0.3434	73	-0.4764	127	-0.1074
23	-0.3404	74	-0.4974	128	-0.1514
24	-2.2444	75	-1.0384	129	-0.0514
25	-0.3454	76	-1.0954	135	-0.0734
26	-0.3584	77	-1.1454	136	-0.0934
27	-0.3894	78	-1.1074	137	-0.0744
28	-0.4694	79	-0.8884	138	0.0206
29	-0.4904	80	-0.6474	139	0.0146
30	-0.5804	81	-0.4944	140	0.0236
32	-0.3844	82	-0.4114	141	0.0876
33	-0.3764	83	-0.8904	142	0.0976
34	-0.3634	84	-1.0614	143	0.0856
35	-0.3514	85	-1.1224	145	-0.0984
36	-0.3534	86	-1.0984	147	0.0966
37	-0.3574	87	-0.9684	151	-0.0334
38	-0.3644	88	-0.7194	152	-0.1904
39	-0.3704	89	-0.5414	153	-0.2214
40	-0.4114	90	-0.8614	154	-0.2754
41	-0.4774	91	-0.8354	155	0.0886
42	-0.5034	92	-0.8064	156	0.0526
43	-0.8304	93	-0.8254	157	-0.1284
44	-0.5744	94	-0.7504	158	0.2966
45	-0.4404	95	-0.5894	159	0.1896
46	-0.3794	96	-0.3274	160	0.1136
47	-0.3634	97	-0.5324	161	-0.0004
48	-0.3584	98	0.0746	162	0.2236
49	-0.3744	99	0.0706	163	0.1636
50	-0.3834	100	-0.3674	164	0.0166
51	-0.3964	101	-0.5324	165	-0.0784

ORF	CP	ORF	CP	ORF	CP
166	0.2676	217	-0.3384	268	-0.3654
167	0.2056	218	-0.2774	269	-0.2204
168	0.1266	219	-0.2494	270	-0.1994
169	-0.0044	220	-0.2404	271	-0.5194
170	0.2456	221	-0.3014	272	-0.3674
171	0.0746	222	-0.3074	273	-0.2174
172	-0.1094	223	0.0506	274	-0.2244
173	-0.0264	224	0.1286	275	0.0576
174	-0.1354	225	0.0576	276	-0.0864
175	-0.2904	226	-0.1124	277	-0.2414
176	-0.3444	227	-1.0204	278	-0.9484
177	-0.2664	228	-0.9174	279	-0.8504
178	-0.3854	229	-0.8164	280	-0.7254
179	-0.3284	230	-0.5904	281	-0.5344
180	-0.2684	231	-0.3644	282	-0.3934
181	0.0476	232	-0.2894	283	-0.3674
182	0.2336	233	-2.2444	284	-0.3274
183	0.7016	234	-0.2264	285	-0.3514
184	0.8716	235	-0.2684	286	-0.5314
185	0.8686	236	-0.1234	287	-0.4114
186	0.9576	237	0.0706	288	-0.2114
187	1.0926	238	0.0446	289	-0.2014
188	1.1526	239	0.0276	290	-0.2224
189	1.1556	240	-0.1184	291	-0.4964
190	0.4436	241	-0.8884	292	0.1566
191	-0.2374	242	-0.8564	325	0.2366
192	-0.2014	244	-0.6374	326	0.3196
193	-0.1964	245	-0.4014	327	0.4006
194	-0.2054	246	-0.3294	328	0.4696
195	-0.2324	247	-0.2974	329	0.5646
196	-0.2274	248	-0.2714	330	0.6226
197	-0.2134	249	-0.2224	331	0.7356
198	-0.2134	250	-0.0254	332	0.7676
199	-0.2154	251	-0.2014	333	0.7696
200	-0.2254	252	-0.2414	334	0.7196
201	-0.2214	253	-0.0904	335	0.6386
202	-0.2134	254	-0.2454	336	0.5686
203	-0.2254	255	-0.8684	337	0.5446
204	-0.2174	256	-0.8214	338	0.6216
205	-0.0964	257	-0.7574	339	0.7566
206	-0.0424	258	-0.5504	340	0.9106
207	-0.0834	259	-0.3904	341	1.0426
208	-0.1094	260	-0.3584	350	0.2096
210	-0.0044	261	-0.3364	351	0.2066
211	0.0736	262	-0.3264	352	0.2156
212	-0.0624	263	-0.4404	353	0.2136
213	-0.9584	264	-0.3704	354	0.1666
214	-0.7404	265	-0.2534	355	0.1466
215	-0.6144	266	-0.2064		
216	-0.4404	267	-0.4714		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 39
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 1.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.814
TUNNEL DYNAMIC PRESSURE(PSF) = 637.
TUNNEL STAGNATION PRESSURE(PSF) = 2123.
TUNNEL STATIC PRESSURE(PSF) = 1374.
REYNOLDS NUMBER PER FOOT = 4.0260E 06
MODEL ANGLE OF ATTACK(DEG) = 0.06
FIN ANGLE(DEG) = -0.31
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 556.

SCAN VALUE	CP(REF)
147	1.1750
247	1.1750
347	1.1760
447	1.1780
547	1.2120
647	1.2140
747	1.2140

ORF	CP	ORF	CP	ORF	CP
1	-0.0260	52	-0.2700	102	-0.5250
2	-0.3810	53	-0.5870	103	-0.6200
3	-0.3560	54	-0.5030	104	-0.6230
4	-0.2370	55	0.0320	105	-0.5240
5	-0.1420	56	0.0020	110	-0.0600
6	-0.1080	57	-0.0130	111	-0.0800
7	-0.0900	58	-0.0420	112	-0.0420
8	-0.0810	59	-0.0760	113	-0.0780
9	-0.0860	60	-0.1110	114	-0.0840
10	-0.0930	61	-0.1560	115	-0.0250
11	-0.1100	62	-0.2110	116	0.0390
12	-0.1360	63	-0.3200	117	0.0580
13	-0.1850	64	-0.7750	118	0.0250
14	-0.3720	65	-0.5640	119	0.0270
15	-0.4570	66	0.0160	120	0.0340
16	-0.1510	67	-0.0180	121	0.0340
17	-0.1570	68	-0.0450	122	-0.0830
18	-0.1170	69	-0.0790	123	-0.0840
19	-0.0940	70	-0.1260	124	0.0020
20	-0.0840	71	-0.1740	125	0.0080
21	-0.0740	72	-0.2490	126	0.0300
22	-0.0720	73	-0.3760	127	0.0200
23	-0.0820	74	-0.6030	128	-0.0800
24	-2.1570	75	0.0020	129	-0.0160
25	-0.1110	76	-0.0430	135	0.0520
26	-0.1500	77	-0.0870	136	0.0490
27	-0.2160	78	-0.1420	137	0.0460
28	-0.4000	79	-0.2000	138	0.1280
29	-0.4880	80	-0.2800	139	0.1270
30	-0.0510	81	-0.4720	140	0.1260
32	-0.0510	82	-0.6860	141	0.1330
33	-0.0530	83	-0.0310	142	0.1350
34	-0.0560	84	-0.0990	143	0.1400
35	-0.0620	85	-0.1500	145	0.0440
36	-0.0730	86	-0.2100	147	0.1370
37	-0.0920	87	-0.2800	151	-0.0420
38	-0.1200	88	-0.4250	152	-0.1600
39	-0.1560	89	-0.6750	153	-0.1840
40	-0.2240	90	-0.1250	154	-0.2330
41	-0.3880	91	-0.1690	155	0.1090
42	-0.4970	92	-0.2130	156	0.0680
43	0.0200	93	-0.2720	157	-0.0880
44	-0.0010	94	-0.3770	158	0.3380
45	-0.0140	95	-0.3830	159	0.1910
46	-0.0300	96	-0.3710	160	0.1270
47	-0.0470	97	-0.7330	161	0.0160
48	-0.0690	98	-0.0560	162	0.2800
49	-0.0950	99	-0.1210	163	0.2110
50	-0.1270	100	-0.4260	164	0.1250
51	-0.1870	101	-0.5680	165	-0.0580

ORF	CP	ORF	CP	ORF	CP
166	0.3370	217	-0.0930	268	-0.3460
167	0.1880	218	-0.0400	269	-0.1580
168	0.1430	219	-0.0410	270	-0.1020
169	0.0090	220	-0.0620	271	-0.4950
170	0.2190	221	-0.2260	272	-0.4770
171	0.0740	222	-0.2380	273	-0.0940
172	-0.0930	223	0.1790	274	-0.0780
173	-0.0370	224	0.2460	275	0.3260
174	-0.1150	225	0.2210	276	0.2930
175	-0.2500	226	0.0590	277	0.1090
176	-0.2730	227	-0.6130	278	-0.7620
177	-0.2410	228	-0.5670	279	-0.7320
178	-0.3790	229	-0.4970	280	-0.5990
179	-0.2910	230	-0.2970	281	-0.3610
180	-0.2290	231	-0.0970	282	-0.1060
181	0.2690	232	-0.0540	283	-0.0640
182	0.3510	233	-2.1570	284	-0.0340
183	0.4010	234	-0.0500	285	-0.1040
184	0.6000	235	-0.1470	286	-0.5060
185	0.6810	236	-0.0590	287	-0.4920
186	0.7490	237	0.1320	288	-0.0650
187	0.8040	238	0.0900	289	-0.0790
188	0.8520	239	0.2240	290	-0.1470
189	0.8820	240	0.1030	291	-0.4950
190	0.2090	241	-0.5940	292	-0.0570
191	-0.2090	242	-0.5590	325	0.2710
192	-0.2050	244	-0.2390	326	0.2980
193	-0.2020	245	-0.0950	327	0.3200
194	-0.2090	246	-0.0660	328	0.3440
195	-0.2010	247	-0.0510	329	0.3890
196	-0.2210	248	-0.0460	330	0.4260
197	-0.2030	249	-0.0610	331	0.5580
198	-0.2120	250	0.0370	332	0.6960
199	-0.2160	251	-0.1500	333	0.7770
200	-0.2010	252	-0.2270	334	0.9510
201	-0.2060	253	0.2360	335	1.0420
202	-0.2040	254	0.0720	336	1.1230
203	-0.2040	255	-0.6380	337	1.1590
204	-0.2040	256	-0.6170	338	1.1720
205	0.2100	257	-0.5780	339	1.1730
206	0.2310	258	-0.3990	340	1.1740
207	0.2380	259	-0.1170	341	1.1740
208	0.2370	260	-0.0550	350	-0.0080
210	0.3120	261	-0.0450	351	0.0130
211	0.2650	262	-0.0640	352	0.0580
212	0.1080	263	-0.2930	353	0.0900
213	-0.7250	264	-0.2790	354	0.0900
214	-0.5910	265	-0.1880	355	0.0590
215	-0.4820	266	-0.1470		
216	-0.2600	267	-0.3550		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 40

TUNNEL = 11

TEST NO. = 086

TEST PHASE = 2

RUN NUMBER = 2.

CONFIGURATION NO. = 1.

ANGLE OF MODEL ROLL(DEG) = 0.

MACH NUMBER = 1.000

TUNNEL DYNAMIC PRESSURE(PSF) = 728.

TUNNEL STAGNATION PRESSURE(PSF) = 1968.

TUNNEL STATIC PRESSURE(PSF) = 1040.

REYNOLDS NUMBER PER FOOT = 3.9720E 06

MODEL ANGLE OF ATTACK(DEG) = -14.73

FIN ANGLE(DEG) = -0.48

FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 563.

SCANIVALE	CP(REF)
147	1.4874
247	1.4894
347	1.4894
447	1.4894
547	1.4844
647	1.4864
747	1.4854

ORF	CP	ORF	CP	ORF	CP
1	0.5364	52	0.2074	102	-0.4776
2	0.3134	53	-0.0856	103	-0.6756
3	0.3614	54	-0.0686	104	-0.6096
4	0.4124	55	0.6654	105	-0.5376
5	0.4364	56	0.5964	110	-0.1956
6	0.4454	57	0.5414	111	-0.1966
7	0.4464	58	0.4924	112	-0.1326
8	0.4424	59	0.4484	113	-0.1596
9	0.4314	60	0.4054	114	-0.1696
10	0.4124	61	0.3444	115	-0.0706
11	0.3904	62	0.2684	116	0.0274
12	0.3594	63	0.1554	117	0.0374
13	0.3054	64	-0.1656	118	-0.0086
14	0.0924	65	-0.0886	119	-0.0056
15	-0.0186	66	0.6424	120	-0.0496
16	0.5664	67	0.5674	121	-0.0776
17	0.5294	68	0.5024	122	-0.3496
18	0.5194	69	0.4424	123	-0.4176
19	0.5044	70	0.3794	124	-0.1806
20	0.4934	71	0.3194	125	-0.1386
21	0.4834	72	0.2294	126	-0.0776
22	0.4634	73	0.0914	127	-0.1076
23	0.4444	74	-0.1176	128	-0.3896
24	-1.4286	75	0.6114	129	-0.2686
25	0.3894	76	0.5174	135	-0.0516
26	0.3464	77	0.4404	136	-0.0586
27	0.2754	78	0.3564	137	-0.0486
28	0.0884	79	0.2664	138	0.1044
29	-0.0416	80	0.1654	139	0.0934
30	0.6314	81	-0.0236	140	0.0984
32	0.5584	82	-0.1476	141	0.2234
33	0.5294	83	0.5154	142	0.2254
34	0.5034	84	0.4464	143	0.2354
35	0.4774	85	0.3394	145	-0.0616
36	0.4524	86	0.2304	147	0.2244
37	0.4204	87	0.1214	151	0.2784
38	0.3824	88	-0.0266	152	-0.0516
39	0.3354	89	-0.1946	153	-0.1766
40	0.2564	90	0.4294	154	-0.2176
41	0.0904	91	0.2404	155	0.2524
42	-0.0616	92	0.1274	156	0.2434
43	0.6674	93	0.0364	157	0.0274
44	0.6034	94	-0.0656	158	0.6534
45	0.5594	95	-0.2406	159	0.4064
46	0.5254	96	-0.6916	160	0.3294
47	0.4964	97	-0.3956	161	0.1884
48	0.4584	98	-1.4286	162	0.6024
49	0.4154	99	-0.7046	163	0.4424
50	0.3664	100	-0.5006	164	0.0924
51	0.2994	101	-0.5116	165	0.1044

ORF	CP	ORF	CP	ORF	CP
166	0.6634	217	0.0084	268	-0.2756
167	0.4244	218	0.2184	269	-0.2586
168	0.3654	219	0.3184	270	-0.1626
169	0.1954	220	0.2794	271	-0.3946
170	0.4884	221	-0.0416	272	-0.4386
171	0.2994	222	0.0234	273	-0.1236
172	0.0384	223	0.4904	274	-0.0856
173	0.2474	224	0.5444	275	0.5764
174	0.0264	225	0.5834	276	0.6744
175	-0.1876	226	0.4204	277	0.5524
176	-0.4636	227	-0.2606	278	-0.1836
177	-0.0376	228	-0.2646	279	-0.0106
178	-0.1586	229	-0.2546	280	0.1604
179	-0.0666	230	-0.1886	281	0.3504
180	-0.3246	231	0.0474	282	0.4384
181	0.5494	232	0.2424	283	0.4284
182	0.6494	233	-1.4286	284	0.4334
183	-0.0646	234	0.2944	285	0.3244
184	0.0444	235	0.1284	286	-0.4996
185	0.2694	236	0.1874	287	-0.3626
186	0.9024	237	0.3974	288	-0.0226
187	1.1324	238	0.4404	289	-0.0466
188	1.0934	239	0.6304	290	-0.3396
189	1.0054	240	0.5144	291	-0.9346
190	0.3104	241	-0.2916	292	-0.2166
191	-0.2526	242	-0.2726	325	0.7004
192	-0.2806	244	-0.0516	326	0.7794
193	-0.2826	245	0.2114	327	0.8684
194	-0.2946	246	0.2964	328	0.9784
195	-0.2456	247	0.3294	329	1.1134
196	-0.3306	248	0.3174	330	1.1984
197	-0.2956	249	0.2694	331	1.2674
198	-0.3046	250	-0.0386	332	1.2694
199	-0.3156	251	-0.2776	333	1.2684
200	-0.2586	252	-0.5656	334	1.2704
201	-0.2826	253	0.6544	335	1.2714
202	-0.2896	254	0.4994	336	1.2714
203	-0.2966	255	-0.1146	337	1.2704
204	-0.2906	256	-0.1046	338	1.2704
205	0.0304	257	-0.0736	339	1.2704
206	0.1044	258	0.0784	340	1.2714
207	0.0584	259	0.2944	341	1.2714
208	0.2084	260	0.3594	350	-0.0696
210	0.7594	261	0.3684	351	-0.0736
211	0.6314	262	0.3344	352	-0.0966
212	0.4754	263	0.0204	353	-0.0986
213	-0.2566	264	-0.1256	354	-0.1006
214	-0.2526	265	-0.3536	355	-0.0856
215	-0.2396	266	-0.2946		
216	-0.2036	267	-0.0686		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 41
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 2.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.000
TUNNEL DYNAMIC PRESSURE(PSF) = 728.
TUNNEL STAGNATION PRESSURE(PSF) = 1968.
TUNNEL STATIC PRESSURE(PSF) = 1039.
REYNOLDS NUMBER PER FOOT = 3.9720E 06
MODEL ANGLE OF ATTACK(DEG) = -8.14
FIN ANGLE(DEG) = -0.44
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 562.

SCAN VALUE	CP(REF)
147	1.4908
247	1.4908
347	1.4918
447	1.4928
547	1.4908
647	1.4928
747	1.4938

ORF	CP	ORF	CP	ORF	CP
1	0.3558	52	0.1058	102	-0.5502
2	0.0968	53	-0.1722	103	-0.8022
3	0.1298	54	-0.1912	104	-0.7712
4	0.1968	55	0.4928	105	-0.6672
5	0.2358	56	0.4348	110	-0.2182
6	0.2548	57	0.3978	111	-0.2562
7	0.2668	58	0.3568	112	-0.1712
8	0.2658	59	0.3188	113	-0.1752
9	0.2658	60	0.2768	114	-0.1762
10	0.2538	61	0.2258	115	-0.1382
11	0.2388	62	0.1618	116	-0.0472
12	0.2148	63	0.0638	117	-0.0052
13	0.1668	64	-0.3782	118	-0.0132
14	-0.0172	65	-0.2552	119	-0.0132
15	-0.1392	66	0.4848	120	-0.0042
16	0.2998	67	0.4138	121	-0.0172
17	0.2838	68	0.3588	122	-0.3332
18	0.2928	69	0.3048	123	-0.2912
19	0.2878	70	0.2578	124	-0.0832
20	0.2938	71	0.2068	125	-0.0692
21	0.2928	72	0.1238	126	-0.0072
22	0.2888	73	0.0068	127	-0.0382
23	0.2778	74	-0.3322	128	-0.3182
24	-1.4272	75	0.4608	129	-0.2022
25	0.2408	76	0.3738	135	-0.0062
26	0.2068	77	0.3058	136	-0.0062
27	0.1458	78	0.2348	137	-0.0072
28	-0.0202	79	0.1618	138	0.1348
29	-0.1652	80	0.0718	139	0.1428
30	0.4028	81	-0.0992	140	0.1448
32	0.3568	82	-0.3862	141	0.1918
33	0.3398	83	0.3798	142	0.1968
34	0.3258	84	0.3098	143	0.1958
35	0.3098	85	0.2118	145	-0.0072
36	0.2948	86	0.1128	147	0.1948
37	0.2698	87	0.0168	151	0.1428
38	0.2418	88	-0.1152	152	-0.1592
39	0.2068	89	-0.4452	153	-0.3082
40	0.1398	90	0.2928	154	-0.2652
41	-0.0072	91	0.1108	155	0.1288
42	-0.1832	92	0.0218	156	0.1158
43	0.4758	93	-0.0552	157	-0.1112
44	0.4178	94	-0.1572	158	0.5348
45	0.3908	95	-0.4832	159	0.2888
46	0.3698	96	-0.6752	160	0.2158
47	0.3428	97	-0.4282	161	0.0868
48	0.3128	98	-0.5722	162	0.4908
49	0.2798	99	-0.4972	163	0.3488
50	0.2418	100	-0.5942	164	0.1458
51	0.1848	101	-0.5942	165	0.0248

ORF	CP	ORF	CP	ORF	CP
166	0.5528	217	-0.0572	268	-0.3612
167	0.3128	218	0.1128	269	-0.3092
168	0.2688	219	0.2048	270	-0.2302
169	0.1208	220	0.1768	271	-0.4842
170	0.3138	221	-0.1692	272	-0.5142
171	0.1918	222	-0.0652	273	-0.1952
172	-0.0482	223	0.3858	274	-0.1612
173	0.1258	224	0.4438	275	0.4848
174	-0.0752	225	0.4758	276	0.5348
175	-0.2552	226	0.3148	277	0.4078
176	-0.4302	227	-0.4052	278	-0.3142
177	-0.1562	228	-0.4062	279	-0.2132
178	-0.2832	229	-0.3822	280	-0.0662
179	-0.2002	230	-0.2872	281	0.1268
180	-0.3042	231	-0.0372	282	0.2378
181	0.5118	232	0.1238	283	0.2398
182	0.6158	233	-1.4272	284	0.2678
183	0.1448	234	0.1878	285	0.1868
184	0.3188	235	0.0178	286	-0.5742
185	0.5368	236	0.0618	287	-0.3552
186	0.7488	237	0.2748	288	-0.1032
187	0.7958	238	0.3078	289	-0.1122
188	0.8858	239	0.5368	290	-0.3452
189	0.9178	240	0.4198	291	-0.7972
190	0.2258	241	-0.4412	292	-0.1352
191	-0.2622	242	-0.4172	325	0.5328
192	-0.2712	244	-0.2042	326	0.5838
193	-0.2702	245	0.0648	327	0.6518
194	-0.2812	246	0.1598	328	0.7248
195	-0.2462	247	0.2048	329	0.8528
196	-0.2922	248	0.2058	330	0.9418
197	-0.2772	249	0.1608	331	1.1198
198	-0.2872	250	0.0018	332	1.2008
199	-0.2882	251	-0.2582	333	1.2348
200	-0.2492	252	-0.5302	334	1.2508
201	-0.2612	253	0.5448	335	1.2568
202	-0.2792	254	0.3818	336	1.2608
203	-0.2822	255	-0.3372	337	1.2628
204	-0.2772	256	-0.3112	338	1.2618
205	0.2698	257	-0.2732	339	1.2618
206	0.3068	258	-0.1212	340	1.2628
207	0.3038	259	0.1228	341	1.2648
208	0.3558	260	0.2088	350	0.0118
210	0.6288	261	0.2378	351	0.0338
211	0.5238	262	0.2108	352	0.0758
212	0.3708	263	-0.0772	353	0.1108
213	-0.4302	264	-0.2012	354	0.1248
214	-0.4052	265	-0.4012	355	0.1078
215	-0.3832	266	-0.3452		
216	-0.3062	267	-0.1682		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 42
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 2.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.003
TUNNEL DYNAMIC PRESSURE(PSF) = 728.
TUNNEL STAGNATION PRESSURE(PSF) = 1964.
TUNNEL STATIC PRESSURE(PSF) = 1034.
REYNOLDS NUMBER PER FOOT = 3.9670E 06
MODEL ANGLE OF ATTACK(DEG) = -4.10
FIN ANGLE(DEG) = -0.15
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 563.

SCAN VALUE	CP(REF)
147	1.4947
247	1.4957
347	1.4967
447	1.4977
547	1.4947
647	1.4977
747	1.4967

ORF	CP	ORF	CP	ORF	CP
1	0.1897	52	0.0297	102	-0.5233
2	-0.0573	53	-0.2213	103	-0.8263
3	-0.0593	54	-0.3313	104	-0.7993
4	0.0357	55	0.3457	105	-0.6803
5	0.0997	56	0.3017	110	-0.2303
6	0.1317	57	0.2727	111	-0.2743
7	0.1467	58	0.2387	112	-0.1983
8	0.1497	59	0.2077	113	-0.1993
9	0.1497	60	0.1757	114	-0.2123
10	0.1417	61	0.1357	115	-0.1603
11	0.1297	62	0.0817	116	-0.1103
12	0.1047	63	0.0027	117	-0.0593
13	0.0647	64	-0.4183	118	-0.0333
14	-0.0993	65	-0.3753	119	-0.0363
15	-0.2123	66	0.3477	120	0.0167
16	0.1117	67	0.2837	121	0.0097
17	0.1087	68	0.2377	122	-0.3063
18	0.1317	69	0.2007	123	-0.2523
19	0.1497	70	0.1597	124	-0.0813
20	0.1587	71	0.1167	125	-0.0473
21	0.1647	72	0.0517	126	0.0027
22	0.1617	73	-0.0443	127	-0.0183
23	0.1557	74	-0.4153	128	-0.2873
24	-1.4203	75	0.3287	129	-0.1823
25	0.1287	76	0.2637	135	0.0167
26	0.1007	77	0.2187	136	0.0137
27	0.0477	78	0.1547	137	0.0117
28	-0.1033	79	0.0887	138	0.1467
29	-0.2383	80	0.0107	139	0.1507
30	0.2157	81	-0.1333	140	0.1447
32	0.2047	82	-0.4433	141	0.1857
33	0.1997	83	0.2637	142	0.1877
34	0.1947	84	0.2027	143	0.1887
35	0.1837	85	0.1157	145	0.0127
36	0.1767	86	0.0367	147	0.1867
37	0.1567	87	-0.0343	151	0.0607
38	0.1327	88	-0.1403	152	-0.2133
39	0.1027	89	-0.4793	153	-0.3053
40	0.0457	90	0.1787	154	-0.2943
41	-0.0843	91	0.0357	155	0.0787
42	-0.2693	92	-0.0193	156	0.0617
43	0.3157	93	-0.0713	157	-0.1503
44	0.2747	94	-0.1503	158	0.4697
45	0.2537	95	-0.4933	159	0.2257
46	0.2357	96	-0.4733	160	0.1617
47	0.2207	97	-0.4543	161	0.0397
48	0.1997	98	0.0147	162	0.4307
49	0.1717	99	-0.0293	163	0.2947
50	0.1407	100	-0.1623	164	0.1517
51	0.0957	101	-0.5803	165	-0.0163

ORF	CP	ORF	CP	ORF	CP
166	0.4877	217	-0.0743	268	-0.3683
167	0.2517	218	0.0667	269	-0.3023
168	0.2077	219	0.1347	270	-0.2303
169	0.0717	220	0.1127	271	-0.4853
170	0.2317	221	-0.2243	272	-0.4893
171	0.1167	222	-0.1203	273	-0.2013
172	-0.0923	223	0.3227	274	-0.1693
173	0.0667	224	0.3757	275	0.4667
174	-0.1163	225	0.4007	276	0.3927
175	-0.2673	226	0.2497	277	0.2557
176	-0.3913	227	-0.4913	278	-0.4283
177	-0.2223	228	-0.4773	279	-0.3833
178	-0.3533	229	-0.4343	280	-0.2703
179	-0.2683	230	-0.3213	281	-0.0753
180	-0.3003	231	-0.0653	282	0.0997
181	0.3567	232	0.0637	283	0.1307
182	0.4637	233	-1.4203	284	0.1577
183	0.2917	234	0.1177	285	0.0897
184	0.4907	235	-0.0433	286	-0.5573
185	0.6257	236	0.0017	287	-0.3043
186	0.7317	237	0.2087	288	-0.1183
187	0.8597	238	0.2327	289	-0.1393
188	0.9577	239	0.4417	290	-0.3033
189	1.0137	240	0.3227	291	-0.4583
190	0.2787	241	-0.4723	292	-0.0373
191	-0.2663	242	-0.4563	325	0.4647
192	-0.2553	244	-0.2673	326	0.5097
193	-0.2553	245	-0.0103	327	0.5547
194	-0.2573	246	0.0867	328	0.6297
195	-0.2383	247	0.1267	329	0.7007
196	-0.2753	248	0.1217	330	0.7827
197	-0.2623	249	0.0837	331	0.9597
198	-0.2693	250	0.0277	332	1.0907
199	-0.2713	251	-0.2393	333	1.1727
200	-0.2423	252	-0.4603	334	1.2057
201	-0.2553	253	0.3697	335	1.2187
202	-0.2633	254	0.2287	336	1.2297
203	-0.2653	255	-0.3713	337	1.2407
204	-0.2633	256	-0.3503	338	1.2467
205	0.3247	257	-0.3073	339	1.2517
206	0.3587	258	-0.1603	340	1.2567
207	0.3607	259	0.0437	341	1.2577
208	0.3787	260	0.1027	350	0.0887
210	0.5327	261	0.1297	351	0.1127
211	0.4537	262	0.1097	352	0.1517
212	0.3077	263	-0.1373	353	0.1837
213	-0.5483	264	-0.2413	354	0.1847
214	-0.4973	265	-0.3813	355	0.1577
215	-0.4543	266	-0.3153		
216	-0.3293	267	-0.2213		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 43
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 2.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.002
TUNNEL DYNAMIC PRESSURE(PSF) = 728.
TUNNEL STAGNATION PRESSURE(PSF) = 1965.
TUNNEL STATIC PRESSURE(PSF) = 1036.
REYNOLDS NUMBER PER FOOT = 3.9670E 06
MODEL ANGLE OF ATTACK(DEG) = -0.03
FIN ANGLE(DEG) = -0.09
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 563.

SCANIVALE	CP(REF)
147	1.4959
247	1.4959
347	1.4959
447	1.4969
547	1.4959
647	1.4979
747	1.4969

ORF	CP	ORF	CP	ORF	CP
1	0.1559	52	-0.0331	102	-0.5521
2	-0.2791	53	-0.2731	103	-0.8281
3	-0.3211	54	-0.4251	104	-0.8131
4	-0.2001	55	0.1719	105	-0.6981
5	-0.0981	56	0.1499	110	-0.2451
6	-0.0311	57	0.1369	111	-0.2651
7	0.0159	58	0.1179	112	-0.2021
8	0.0469	59	0.0999	113	-0.2281
9	0.0629	60	0.0759	114	-0.2321
10	0.0639	61	0.0459	115	-0.2001
11	0.0549	62	0.0039	116	-0.1441
12	0.0389	63	-0.0601	117	-0.0901
13	0.0009	64	-0.4501	118	-0.0501
14	-0.1541	65	-0.4431	119	-0.0511
15	-0.2831	66	0.1659	120	0.0319
16	-0.1241	67	0.1429	121	0.0139
17	-0.1421	68	0.1189	122	-0.2751
18	-0.0581	69	0.0949	123	-0.2431
19	-0.0101	70	0.0639	124	-0.0611
20	0.0259	71	0.0299	125	-0.0381
21	0.0479	72	-0.0211	126	0.0189
22	0.0669	73	-0.1021	127	-0.0121
23	0.0689	74	-0.4671	128	-0.2391
24	-1.4231	75	0.1559	129	-0.1691
25	0.0559	76	0.1229	135	0.0219
26	0.0349	77	0.0889	136	0.0229
27	-0.0111	78	0.0439	137	0.0159
28	-0.1581	79	-0.0021	138	0.1489
29	-0.3151	80	-0.0571	139	0.1499
30	-0.0001	81	-0.1861	140	0.1499
32	0.0509	82	-0.4801	141	0.1919
33	0.0689	83	0.1149	142	0.1919
34	0.0789	84	0.0739	143	0.1939
35	0.0819	85	0.0209	145	0.0229
36	0.0809	86	-0.0211	147	0.1939
37	0.0719	87	-0.0721	151	-0.0721
38	0.0559	88	-0.1641	152	-0.2991
39	0.0339	89	-0.5021	153	-0.2821
40	-0.0161	90	0.0239	154	-0.3211
41	-0.1391	91	-0.0051	155	-0.0071
42	-0.3611	92	-0.0421	156	-0.0251
43	0.1329	93	-0.0831	157	-0.1811
44	0.1289	94	-0.1551	158	0.4079
45	0.1219	95	-0.5061	159	0.1129
46	0.1169	96	-0.3371	160	0.0779
47	0.1089	97	-0.4501	161	-0.0301
48	0.0989	98	0.0969	162	0.3439
49	0.0819	99	0.0579	163	0.2019
50	0.0579	100	-0.1831	164	0.1569
51	0.0209	101	-0.6161	165	-0.0781

ORF	CP	ORF	CP	ORF	CP
166	0.3859	217	-0.0391	268	-0.4181
167	0.1559	218	0.0419	269	-0.3061
168	0.1249	219	0.0679	270	-0.2271
169	-0.0041	220	0.0399	271	-0.5411
170	0.1729	221	-0.2801	272	-0.5401
171	0.0509	222	-0.1961	273	-0.1951
172	-0.1441	223	0.2479	274	-0.1651
173	-0.0271	224	0.2949	275	0.4509
174	-0.1781	225	0.3199	276	0.4029
175	-0.3241	226	0.1759	277	0.2389
176	-0.3781	227	-0.4791	278	-0.6641
177	-0.3351	228	-0.4661	279	-0.6211
178	-0.4791	229	-0.4081	280	-0.5061
179	-0.3781	230	-0.2561	281	-0.3711
180	-0.2891	231	-0.0441	282	-0.1511
181	0.2559	232	0.0309	283	-0.0141
182	0.3759	233	-1.4231	284	0.0759
183	0.4439	234	0.0489	285	0.0339
184	0.6389	235	-0.1071	286	-0.5911
185	0.7319	236	-0.0751	287	-0.3571
186	0.7899	237	0.1389	288	-0.1111
187	0.8639	238	0.1459	289	-0.1511
188	0.9079	239	0.3399	290	-0.3021
189	0.9409	240	0.2169	291	-0.3921
190	0.3069	241	-0.4801	292	0.0579
191	-0.2781	242	-0.4691	325	0.3519
192	-0.2661	244	-0.2481	326	0.3849
193	-0.2701	245	-0.0461	327	0.4169
194	-0.2801	246	0.0139	328	0.4399
195	-0.2621	247	0.0509	329	0.4689
196	-0.2841	248	0.0539	330	0.5129
197	-0.2731	249	0.0149	331	0.6649
198	-0.2741	250	0.0409	332	0.7539
199	-0.2791	251	-0.2501	333	0.8379
200	-0.2671	252	-0.4331	334	1.0319
201	-0.2711	253	0.3559	335	1.1789
202	-0.2671	254	0.2019	336	1.2299
203	-0.2671	255	-0.5111	337	1.2379
204	-0.2651	256	-0.5091	338	1.2229
205	0.3099	257	-0.4771	339	1.2059
206	0.3469	258	-0.3911	340	1.2109
207	0.3349	259	-0.1621	341	1.2199
208	0.3429	260	0.0029	350	0.1319
210	0.4029	261	0.0699	351	0.1599
211	0.3679	262	0.0599	352	0.2059
212	0.2269	263	-0.1941	353	0.2419
213	-0.5831	264	-0.2811	354	0.2419
214	-0.4881	265	-0.3981	355	0.2109
215	-0.3981	266	-0.3151		
216	-0.2351	267	-0.2771		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 44
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 2.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.999
TUNNEL DYNAMIC PRESSURE(PSF) = 726.
TUNNEL STAGNATION PRESSURE(PSF) = 1965.
TUNNEL STATIC PRESSURE(PSF) = 1039.
REYNOLDS NUMBER PER FOOT = 3.9640E 06
MODEL ANGLE OF ATTACK(DEG) = 4.05
FIN ANGLE(DEG) = -0.33
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 563.

SCANIVALE	CP(REF)
147	1.4949
247	1.4949
347	1.4949
447	1.4949
547	1.4909
647	1.4929
747	1.4919

ORF	CP	ORF	CP	ORF	CP
1	0.0369	52	-0.1871	102	-0.5251
2	-0.3521	53	-0.4001	103	-0.8751
3	-0.3501	54	-0.4431	104	-0.8301
4	-0.2661	55	-0.2751	105	-0.7171
5	-0.1731	56	-0.1081	110	-0.2381
6	-0.1161	57	-0.0441	111	-0.2431
7	-0.0821	58	-0.0451	112	-0.2041
8	-0.0671	59	-0.0541	113	-0.2551
9	-0.0551	60	-0.0681	114	-0.2521
10	-0.0571	61	-0.0961	115	-0.2291
11	-0.0641	62	-0.1371	116	-0.1661
12	-0.0781	63	-0.2001	117	-0.1031
13	-0.1101	64	-0.5311	118	-0.0561
14	-0.2621	65	-0.5021	119	-0.0621
15	-0.3711	66	-0.3231	120	0.0319
16	-0.1881	67	-0.1481	121	0.0079
17	-0.2181	68	-0.0631	122	-0.2281
18	-0.1741	69	-0.0561	123	-0.2471
19	-0.1341	70	-0.0821	124	-0.0731
20	-0.0991	71	-0.1061	125	-0.0341
21	-0.0781	72	-0.1541	126	0.0169
22	-0.0671	73	-0.2211	127	-0.0191
23	-0.0641	74	-0.5311	128	-0.2171
24	-1.4311	75	-0.3491	129	-0.1381
25	-0.0731	76	-0.1931	135	0.0079
26	-0.0971	77	-0.1101	136	0.0159
27	-0.1431	78	-0.0981	137	0.0109
28	-0.2821	79	-0.1241	138	0.1499
29	-0.4021	80	-0.1581	139	0.1489
30	-0.1671	81	-0.2571	140	0.1449
32	-0.1071	82	-0.5071	141	0.1879
33	-0.0841	83	-0.3261	142	0.1859
34	-0.0751	84	-0.2481	143	0.1859
35	-0.0641	85	-0.1561	145	0.0119
36	-0.0611	86	-0.1311	147	0.1859
37	-0.0681	87	-0.1431	151	-0.1311
38	-0.0821	88	-0.2281	152	-0.3071
39	-0.1081	89	-0.5111	153	-0.2731
40	-0.1601	90	-0.4161	154	-0.2991
41	-0.2851	91	-0.2641	155	-0.1111
42	-0.4201	92	-0.1471	156	-0.0681
43	-0.1901	93	-0.1471	157	-0.1991
44	-0.0751	94	-0.2221	158	0.3249
45	-0.0531	95	-0.5091	159	0.0219
46	-0.0491	96	-0.2271	160	-0.0081
47	-0.0461	97	-0.4471	161	-0.0931
48	-0.0511	98	0.1259	162	0.2379
49	-0.0651	99	0.0909	163	0.0929
50	-0.0861	100	-0.2341	164	0.1499
51	-0.1271	101	-0.5821	165	-0.1391

ORF	CP	ORF	CP	ORF	CP
166	0.3039	217	-0.0931	268	-0.4511
167	0.0739	218	-0.0291	269	-0.2981
168	0.0409	219	-0.0101	270	-0.2321
169	-0.0661	220	-0.0361	271	-0.5311
170	0.0129	221	-0.3411	272	-0.4941
171	-0.0051	222	-0.2651	273	-0.2071
172	-0.1681	223	0.1529	274	-0.1941
173	-0.0721	224	0.1989	275	0.3449
174	-0.2121	225	0.2619	276	0.2889
175	-0.2861	226	0.1199	277	0.1249
176	-0.3451	227	-0.5421	278	-0.7301
177	-0.3651	228	-0.5301	279	-0.6831
178	-0.4881	229	-0.4801	280	-0.5631
179	-0.4101	230	-0.3251	281	-0.4041
180	-0.2871	231	-0.1161	282	-0.1991
181	0.2609	232	-0.0441	283	-0.1021
182	0.3789	233	-1.4311	284	-0.0421
183	0.4329	234	-0.0271	285	-0.0811
184	0.6159	235	-0.1771	286	-0.5591
185	0.6769	236	-0.1301	287	-0.3701
186	0.7219	237	0.0719	288	-0.1621
187	0.8029	238	0.0739	289	-0.1961
188	0.9089	239	0.3179	290	-0.2871
189	0.9569	240	0.2059	291	-0.4401
190	0.3489	241	-0.7041	292	0.1169
191	-0.2661	242	-0.6541	325	0.3509
192	-0.2651	244	-0.4051	326	0.3919
193	-0.2591	245	-0.1681	327	0.4429
194	-0.2621	246	-0.0751	328	0.5109
195	-0.2671	247	-0.0301	329	0.5919
196	-0.2711	248	-0.0251	330	0.6489
197	-0.2521	249	-0.0541	331	0.7699
198	-0.2691	250	0.0429	332	0.8529
199	-0.2681	251	-0.2451	333	0.9049
200	-0.2771	252	-0.4271	334	0.9929
201	-0.2611	253	0.3129	335	1.0819
202	-0.2591	254	0.1719	336	1.1249
203	-0.2681	255	-0.7511	337	1.1639
204	-0.2641	256	-0.6911	338	1.1869
205	0.2719	257	-0.6151	339	1.1949
206	0.2999	258	-0.4721	340	1.2019
207	0.2929	259	-0.2371	341	1.2069
208	0.2899	260	-0.1021	350	0.2159
210	0.3049	261	-0.0451	351	0.2389
211	0.2859	262	-0.0491	352	0.2829
212	0.1519	263	-0.2851	353	0.3019
213	-0.6221	264	-0.3411	354	0.2949
214	-0.5171	265	-0.3961	355	0.2559
215	-0.4281	266	-0.3061		
216	-0.2581	267	-0.3631		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 45
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 2.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.002
TUNNEL DYNAMIC PRESSURE(PSF) = 728.
TUNNEL STAGNATION PRESSURE(PSF) = 1965.
TUNNEL STATIC PRESSURE(PSF) = 1035.
REYNOLDS NUMBER PER FOOT = 3.9700E 06
MODEL ANGLE OF ATTACK(DEG) = 7.96
FIN ANGLE(DEG) = -0.47
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 562.

SCANIVALE	CP(REF)
147	1.4953
247	1.4953
347	1.4953
447	1.4963
547	1.4913
647	1.4933
747	1.4933

ORF	CP	ORF	CP	ORF	CP
1	-0.1027	52	-0.2997	102	-0.5707
2	-0.3947	53	-0.4737	103	-0.9187
3	-0.3617	54	-0.4887	104	-0.8797
4	-0.2757	55	-0.5907	105	-0.7827
5	-0.2217	56	-0.5027	110	-0.1947
6	-0.1807	57	-0.3347	111	-0.2057
7	-0.1577	58	-0.2147	112	-0.1697
8	-0.1467	59	-0.1657	113	-0.2587
9	-0.1387	60	-0.1677	114	-0.2977
10	-0.1367	61	-0.1947	115	-0.2537
11	-0.1407	62	-0.2377	116	-0.1677
12	-0.1557	63	-0.3037	117	-0.1087
13	-0.1887	64	-0.5847	118	-0.0857
14	-0.3277	65	-0.5397	119	-0.0947
15	-0.4267	66	-0.5787	120	0.0233
16	-0.3027	67	-0.5847	121	-0.0207
17	-0.2837	68	-0.5227	122	-0.1787
18	-0.2507	69	-0.4057	123	-0.2917
19	-0.2147	70	-0.2917	124	-0.0947
20	-0.1877	71	-0.2347	125	-0.0607
21	-0.1697	72	-0.2457	126	-0.0247
22	-0.1587	73	-0.2867	127	-0.0427
23	-0.1527	74	-0.5737	128	-0.1927
24	-1.4217	75	-0.5727	129	-0.1217
25	-0.1617	76	-0.5907	135	-0.0287
26	-0.1817	77	-0.5657	136	-0.0227
27	-0.2257	78	-0.5027	137	-0.0247
28	-0.3487	79	-0.4287	138	0.1403
29	-0.4507	80	-0.3777	139	0.1443
30	-0.3087	81	-0.4267	140	0.1403
32	-0.2047	82	-0.5437	141	0.2003
33	-0.1897	83	-0.5117	142	0.2003
34	-0.1757	84	-0.6147	143	0.1963
35	-0.1707	85	-0.6097	145	-0.0187
36	-0.1667	86	-0.5767	147	0.1993
37	-0.1717	87	-0.4987	151	-0.0957
38	-0.1847	88	-0.4767	152	-0.3197
39	-0.2117	89	-0.5657	153	-0.3077
40	-0.2587	90	-0.6247	154	-0.3097
41	-0.3657	91	-0.6197	155	-0.1387
42	-0.4767	92	-0.6137	156	-0.0537
43	-0.4977	93	-0.5797	157	-0.2087
44	-0.2927	94	-0.5747	158	0.3413
45	-0.1887	95	-0.6467	159	0.0623
46	-0.1587	96	-0.2077	160	0.0143
47	-0.1557	97	-0.4457	161	-0.0727
48	-0.1617	98	0.1683	162	0.2643
49	-0.1777	99	0.1493	163	0.1243
50	-0.2017	100	-0.3077	164	0.1413
51	-0.2417	101	-0.6197	165	-0.1347

ORF	CP	ORF	CP	ORF	CP
166	0.3233	217	-0.2357	268	-0.5297
167	0.0933	218	-0.0847	269	-0.3317
168	0.0573	219	-0.0407	270	-0.2547
169	-0.0587	220	-0.0587	271	-0.5667
170	-0.0187	221	-0.3647	272	-0.5107
171	0.0083	222	-0.2927	273	-0.2567
172	-0.1757	223	0.1463	274	-0.2377
173	-0.0697	224	0.2003	275	0.2293
174	-0.2437	225	0.2583	276	0.1543
175	-0.3117	226	0.1193	277	0.0163
176	-0.3797	227	-1.4217	278	-0.7297
177	-0.3547	228	-1.4217	279	-0.6657
178	-0.4747	229	-0.8807	280	-0.5467
179	-0.4167	230	-0.6057	281	-0.3727
180	-0.2947	231	-0.2067	282	-0.2227
181	0.0173	232	-0.0917	283	-0.1767
182	0.1793	233	-1.4217	284	-0.1287
183	0.5743	234	-0.0557	285	-0.1607
184	0.7953	235	-0.2277	286	-0.5917
185	0.8843	236	-0.1347	287	-0.4027
186	0.9693	237	0.0863	288	-0.2247
187	1.0873	238	0.0843	289	-0.2357
188	1.1423	239	0.2943	290	-0.2927
189	1.1653	240	0.1753	291	-0.4067
190	0.4063	241	-1.4217	292	0.2073
191	-0.2857	242	-1.4217	325	0.3023
192	-0.2757	244	-0.6057	326	0.3633
193	-0.2757	245	-0.2087	327	0.4113
194	-0.2757	246	-0.1217	328	0.4693
195	-0.2857	247	-0.0937	329	0.5383
196	-0.2847	248	-0.0777	330	0.6193
197	-0.2687	249	-0.1017	331	0.7733
198	-0.2757	250	0.0363	332	0.8403
199	-0.2787	251	-0.2627	333	0.8703
200	-0.2877	252	-0.3277	334	0.9093
201	-0.2757	253	0.2023	335	0.9523
202	-0.2717	254	0.0663	336	1.0203
203	-0.2747	255	-0.8577	337	1.1153
204	-0.2777	256	-0.7707	338	1.1773
205	0.2083	257	-0.6777	339	1.2283
206	0.2423	258	-0.4927	340	1.2403
207	0.2213	259	-0.2617	341	1.2393
208	0.2053	260	-0.1727	350	0.3063
210	0.3023	261	-0.1307	351	0.3283
211	0.2993	262	-0.1337	352	0.3543
212	0.1543	263	-0.3557	353	0.3633
213	-0.8757	264	-0.4537	354	0.3473
214	-0.8317	265	-0.4107	355	0.3033
215	-0.7477	266	-0.3017		
216	-0.5477	267	-0.4177		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 46
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 2.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.000
TUNNEL DYNAMIC PRESSURE(PSF) = 726.
TUNNEL STAGNATION PRESSURE(PSF) = 1964.
TUNNEL STATIC PRESSURE(PSF) = 1038.
REYNOLDS NUMBER PER FOOT = 3.9660E 06
MODEL ANGLE OF ATTACK(DEG) = 14.49
FIN ANGLE(DEG) = -0.51
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 562.

SCANIVALE	CP(REF)
147	1.4952
247	1.4952
347	1.4952
447	1.4952
547	1.4952
647	1.4972
747	1.4962

ORF	CP	ORF	CP	ORF	CP
1	-0.2098	52	-0.3568	102	-0.5878
2	-0.5738	53	-0.5298	103	-0.8798
3	-0.6198	54	-0.5378	104	-0.8538
4	-0.4658	55	-0.6548	105	-0.7678
5	-0.3388	56	-0.5768	110	-0.0908
6	-0.2868	57	-0.4468	111	-0.1208
7	-0.2578	58	-0.3648	112	-0.0838
8	-0.2418	59	-0.3148	113	-0.2178
9	-0.2288	60	-0.2998	114	-0.3208
10	-0.2228	61	-0.3108	115	-0.2548
11	-0.2268	62	-0.3418	116	-0.0968
12	-0.2348	63	-0.4088	117	-0.0538
13	-0.2618	64	-0.6228	118	-0.0958
14	-0.3888	65	-0.5908	119	-0.1058
15	-0.4828	66	-0.7228	120	0.0042
16	-0.4998	67	-0.6868	121	-0.0658
17	-0.5048	68	-0.6158	122	-0.1568
18	-0.4138	69	-0.5258	123	-0.4008
19	-0.3258	70	-0.4478	124	-0.0968
20	-0.2858	71	-0.4098	125	-0.0778
21	-0.2648	72	-0.4218	126	-0.0508
22	-0.2418	73	-0.4618	127	-0.0728
23	-0.2348	74	-0.6218	128	-0.1828
24	-1.4298	75	-0.7448	129	-0.1088
25	-0.2368	76	-0.7688	135	-0.0518
26	-0.2538	77	-0.7748	136	-0.0478
27	-0.2898	78	-0.7038	137	-0.0508
28	-0.4098	79	-0.6278	138	0.1112
29	-0.5118	80	-0.5848	139	0.1122
30	-0.5678	81	-0.6218	140	0.1172
32	-0.3088	82	-0.6858	141	0.2162
33	-0.2748	83	-0.6588	142	0.2092
34	-0.2588	84	-0.8198	143	0.1902
35	-0.2478	85	-0.8488	145	-0.0518
36	-0.2378	86	-0.8138	147	0.2052
37	-0.2388	87	-0.7868	151	-0.0288
38	-0.2518	88	-0.7388	152	-0.2828
39	-0.2748	89	-0.7308	153	-0.2868
40	-0.3118	90	-0.8198	154	-0.2668
41	-0.4148	91	-0.8478	155	-0.1418
42	-0.5318	92	-0.8418	156	0.0012
43	-0.6288	93	-0.8408	157	-0.1568
44	-0.4328	94	-0.8418	158	0.3182
45	-0.3258	95	-0.7728	159	0.1182
46	-0.2678	96	-0.3088	160	0.0642
47	-0.2468	97	-0.5108	161	-0.0238
48	-0.2398	98	0.0592	162	0.2662
49	-0.2558	99	0.1262	163	0.1342
50	-0.2728	100	-0.3398	164	0.1082
51	-0.3048	101	-0.6298	165	-0.1048

ORF	CP	ORF	CP	ORF	CP
166	0.2982	217	-0.5118	268	-0.5238
167	0.1322	218	-0.3368	269	-0.3078
168	0.0742	219	-0.1068	270	-0.2498
169	-0.0368	220	-0.0968	271	-0.5738
170	-0.0088	221	-0.3828	272	-0.5418
171	0.0492	222	-0.3338	273	-0.2618
172	-0.1398	223	0.1172	274	-0.2378
173	-0.0368	224	0.1852	275	0.1832
174	-0.2298	225	0.2492	276	0.0602
175	-0.3088	226	0.1262	277	-0.0678
176	-0.3548	227	-1.4298	278	-1.4298
177	-0.3058	228	-1.4298	279	-0.9018
178	-0.3988	229	-0.9078	280	-0.7958
179	-0.3958	230	-0.7598	281	-0.6078
180	-0.2878	231	-0.5138	282	-0.3618
181	-0.0208	232	-0.2888	283	-0.2798
182	0.2432	233	-1.4298	284	-0.2128
183	0.7382	234	-0.0898	285	-0.2308
184	0.9862	235	-0.3178	286	-0.6038
185	0.9952	236	-0.1258	287	-0.4908
186	1.0892	237	0.1122	288	-0.2478
187	1.1902	238	0.0972	289	-0.2488
188	1.2402	239	0.2072	290	-0.2608
189	1.2452	240	0.0942	291	-0.2918
190	0.5422	241	-1.4298	292	0.3282
191	-0.2868	242	-1.4298	325	0.3812
192	-0.2608	244	-0.7828	326	0.4872
193	-0.2518	245	-0.4128	327	0.5542
194	-0.2638	246	-0.2388	328	0.5922
195	-0.3048	247	-0.1608	329	0.6472
196	-0.2738	248	-0.1398	330	0.6762
197	-0.2688	249	-0.1668	331	0.8052
198	-0.2718	250	0.0212	332	0.8422
199	-0.2628	251	-0.2568	333	0.8662
200	-0.2908	252	-0.3098	334	0.8422
201	-0.2878	253	0.0692	335	0.7942
202	-0.2638	254	-0.0638	336	0.7182
203	-0.2788	255	-1.4298	337	0.6872
204	-0.2868	256	-0.8948	338	0.6692
205	0.0712	257	-0.8398	339	0.6572
206	0.1182	258	-0.6358	340	0.7362
207	0.0782	259	-0.3728	341	0.8232
208	0.0542	260	-0.2748	350	0.4092
210	0.1432	261	-0.2148	351	0.4122
211	0.2762	262	-0.2018	352	0.4312
212	0.1592	263	-0.4038	353	0.4322
213	-0.8288	264	-0.4858	354	0.3912
214	-0.7158	265	-0.3578	355	0.3532
215	-0.6558	266	-0.2648		
216	-0.5538	267	-0.4598		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 47
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 2.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.006
TUNNEL DYNAMIC PRESSURE(PSF) = 730.
TUNNEL STAGNATION PRESSURE(PSF) = 1964.
TUNNEL STATIC PRESSURE(PSF) = 1031.
REYNOLDS NUMBER PER FOOT = 3.9740E 06
MODEL ANGLE OF ATTACK(DEG) = 0.
FIN ANGLE(DEG) = -0.39
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 562.

SCANIVALE	CP(REF)
147	1.4977
247	1.4987
347	1.4987
447	1.4997
547	1.4957
647	1.4987
747	1.4977

ORF	CP	ORF	CP	ORF	CP
1	0.1507	52	-0.0283	102	-0.5473
2	-0.2533	53	-0.2593	103	-0.8253
3	-0.3223	54	-0.4153	104	-0.8093
4	-0.2163	55	0.1757	105	-0.6923
5	-0.1073	56	0.1547	110	-0.2433
6	-0.0263	57	0.1427	111	-0.2623
7	0.0327	58	0.1237	112	-0.1983
8	0.0507	59	0.1077	113	-0.2263
9	0.0647	60	0.0847	114	-0.2313
10	0.0647	61	0.0527	115	-0.2013
11	0.0607	62	0.0117	116	-0.1433
12	0.0467	63	-0.0543	117	-0.0853
13	0.0077	64	-0.4423	118	-0.0493
14	-0.1463	65	-0.4353	119	-0.0543
15	-0.2783	66	0.1697	120	0.0317
16	-0.1213	67	0.1457	121	0.0187
17	-0.1403	68	0.1237	122	-0.2523
18	-0.0563	69	0.1017	123	-0.2413
19	-0.0083	70	0.0737	124	-0.0723
20	0.0327	71	0.0407	125	-0.0343
21	0.0567	72	-0.0153	126	0.0127
22	0.0667	73	-0.0973	127	-0.0173
23	0.0717	74	-0.4583	128	-0.2263
24	-1.4123	75	0.1627	129	-0.1613
25	0.0627	76	0.1287	135	0.0237
26	0.0397	77	0.0987	136	0.0227
27	-0.0113	78	0.0547	137	0.0177
28	-0.1543	79	0.0047	138	0.1567
29	-0.3073	80	-0.0483	139	0.1597
30	0.0067	81	-0.1773	140	0.1557
32	0.0627	82	-0.4713	141	0.1947
33	0.0707	83	0.1177	142	0.1957
34	0.0827	84	0.0787	143	0.1977
35	0.0887	85	0.0267	145	0.0237
36	0.0867	86	-0.0173	147	0.1967
37	0.0777	87	-0.0663	151	-0.0663
38	0.0627	88	-0.1573	152	-0.2893
39	0.0407	89	-0.4953	153	-0.2833
40	-0.0123	90	0.0297	154	-0.3263
41	-0.1333	91	-0.0013	155	0.0097
42	-0.3543	92	-0.0413	156	-0.0173
43	0.1417	93	-0.0783	157	-0.1813
44	0.1297	94	-0.1493	158	0.4107
45	0.1277	95	-0.4983	159	0.1217
46	0.1217	96	-0.3303	160	0.0827
47	0.1157	97	-0.4473	161	-0.0193
48	0.1037	98	0.1057	162	0.3497
49	0.0867	99	0.0617	163	0.2017
50	0.0647	100	-0.1763	164	0.1547
51	0.0267	101	-0.6083	165	-0.0703

ORF	CP	ORF	CP	ORF	CP
166	0.4077	217	-0.0383	268	-0.4133
167	0.1577	218	0.0417	269	-0.3043
168	0.1297	219	0.0737	270	-0.2213
169	0.0077	220	0.0477	271	-0.5353
170	0.1697	221	-0.2783	272	-0.5353
171	0.0587	222	-0.1993	273	-0.1933
172	-0.1353	223	0.2587	274	-0.1653
173	-0.0173	224	0.3027	275	0.4657
174	-0.1713	225	0.3287	276	0.4027
175	-0.3013	226	0.1867	277	0.2557
176	-0.3673	227	-0.4743	278	-0.6383
177	-0.3343	228	-0.4693	279	-0.5723
178	-0.4713	229	-0.4053	280	-0.4983
179	-0.3743	230	-0.2713	281	-0.3713
180	-0.2883	231	-0.0423	282	-0.1523
181	0.2667	232	0.0347	283	-0.0123
182	0.3787	233	-1.4123	284	0.0837
183	0.4337	234	0.0537	285	0.0387
184	0.6297	235	-0.1023	286	-0.5893
185	0.7037	236	-0.0703	287	-0.3523
186	0.7747	237	0.1447	288	-0.1093
187	0.8187	238	0.1407	289	-0.1483
188	0.8777	239	0.3457	290	-0.2963
189	0.8957	240	0.2267	291	-0.4223
190	0.3137	241	-0.4783	292	0.0457
191	-0.2703	242	-0.4733	325	0.3577
192	-0.2583	244	-0.2463	326	0.3967
193	-0.2593	245	-0.0443	327	0.4227
194	-0.2693	246	0.0167	328	0.4477
195	-0.2573	247	0.0547	329	0.4897
196	-0.2783	248	0.0567	330	0.5437
197	-0.2653	249	0.0187	331	0.6737
198	-0.2703	250	0.0447	332	0.7427
199	-0.2783	251	-0.2453	333	0.8467
200	-0.2683	252	-0.4293	334	1.0267
201	-0.2633	253	0.3467	335	1.1597
202	-0.2663	254	0.2137	336	1.2257
203	-0.2663	255	-0.5023	337	1.2417
204	-0.2623	256	-0.4913	338	1.2337
205	0.3197	257	-0.4703	339	1.2087
206	0.3507	258	-0.3773	340	1.2137
207	0.3437	259	-0.1443	341	1.2247
208	0.3437	260	-0.0013	350	0.1357
210	0.4177	261	0.0727	351	0.1607
211	0.3817	262	0.0667	352	0.2097
212	0.2327	263	-0.1883	353	0.2447
213	-0.5943	264	-0.2763	354	0.2447
214	-0.4993	265	-0.3933	355	0.2147
215	-0.4283	266	-0.3083		
216	-0.2843	267	-0.2723		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 48
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 3.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.351
TUNNEL DYNAMIC PRESSURE(PSF) = 823.
TUNNEL STAGNATION PRESSURE(PSF) = 1915.
TUNNEL STATIC PRESSURE(PSF) = 644.
REYNOLDS NUMBER PER FOOT = 3.9580E 06
MODEL ANGLE OF ATTACK(DEG) = -14.72
FIN ANGLE(DEG) = -0.61
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCAN VALUE	CP(REF)
147	1.7975
247	1.7975
347	1.7985
447	1.7975
547	1.7955
647	1.7985
747	1.7975

ORF	CP	ORF	CP	ORF	CP
1	0.6615	52	0.5095	102	-0.2025
2	0.5185	53	0.2785	103	-0.7825
3	0.4915	54	0.2105	104	-0.7825
4	0.5145	55	0.8225	105	-0.3365
5	0.5355	56	0.7775	110	-0.1845
6	0.5555	57	0.7405	111	-0.1305
7	0.5605	58	0.7115	112	-0.0995
8	0.5735	59	0.6905	113	-0.1435
9	0.5805	60	0.6525	114	-0.2635
10	0.5755	61	0.6145	115	-0.1645
11	0.5735	62	0.5615	116	-0.0285
12	0.5605	63	0.4805	117	-0.0305
13	0.5235	64	0.1135	118	-0.0445
14	0.3755	65	0.1745	119	-0.0205
15	0.2765	66	0.8355	120	-0.0375
16	0.5995	67	0.7755	121	-0.1825
17	0.5765	68	0.7295	122	-0.1955
18	0.5955	69	0.6915	123	-0.3155
19	0.5885	70	0.6535	124	-0.1895
20	0.5995	71	0.6045	125	-0.1695
21	0.5985	72	0.5335	126	-0.1545
22	0.6025	73	0.4315	127	-0.1705
23	0.6025	74	0.1545	128	-0.2175
24	-0.7825	75	0.8295	129	-0.1135
25	0.5825	76	0.7585	135	-0.1445
26	0.5615	77	0.6985	136	-0.1485
27	0.5175	78	0.6375	137	-0.1535
28	0.3855	79	0.5695	138	-0.0465
29	0.2545	80	0.4935	139	-0.0435
30	0.6915	81	0.3335	140	-0.0445
32	0.6545	82	0.1125	141	0.0855
33	0.6525	83	0.7415	142	0.0895
34	0.6445	84	0.7085	143	0.0875
35	0.6405	85	0.6265	145	-0.1485
36	0.6275	86	0.5315	147	0.0855
37	0.6185	87	0.4455	151	0.5855
38	0.5985	88	0.3195	152	0.2795
39	0.5755	89	0.0565	153	0.0835
40	0.5225	90	0.7035	154	-0.1235
41	0.4105	91	0.5265	155	0.4655
42	0.2355	92	0.4115	156	0.5155
43	0.7805	93	0.3295	157	0.3025
44	0.7415	94	0.2485	158	0.8565
45	0.7205	95	-0.0205	159	0.6965
46	0.7085	96	-0.3575	160	0.6085
47	0.6865	97	-0.1875	161	0.4915
48	0.6695	98	-0.7825	162	0.8495
49	0.6385	99	-0.7825	163	0.7395
50	0.6155	100	-0.7825	164	-0.0395
51	0.5715	101	-0.2375	165	0.4405

ORF	CP	ORF	CP	ORF	CP
166	0.9325	217	-0.1715	268	0.0285
167	0.6945	218	0.0905	269	0.0515
168	0.6555	219	0.5255	270	0.1375
169	0.5275	220	0.5595	271	-0.0995
170	0.5105	221	0.2705	272	-0.1095
171	0.6175	222	0.3535	273	0.1475
172	0.3935	223	0.7165	274	0.1415
173	0.5185	224	0.7845	275	0.4185
174	0.3285	225	0.6865	276	0.6805
175	0.1845	226	0.5915	277	0.6805
176	-0.1245	227	-0.7825	278	0.3475
177	0.2955	228	-0.7825	279	0.4195
178	0.1855	229	-0.3305	280	0.4385
179	0.1965	230	-0.1935	281	0.4855
180	-0.7825	231	-0.1145	282	0.5295
181	0.8385	232	0.2405	283	0.5465
182	0.9315	233	-0.7825	284	0.5925
183	0.0375	234	0.5715	285	0.5405
184	0.2545	235	0.4055	286	-0.2225
185	0.3335	236	0.4675	287	-0.0065
186	0.6245	237	0.6655	288	0.2015
187	0.8665	238	0.6845	289	0.1625
188	1.0575	239	0.5845	290	-0.0095
189	1.1755	240	0.5555	291	-0.7825
190	0.5485	241	-0.7825	292	0.0865
191	-0.3475	242	-0.3045	325	0.9775
192	-0.3495	244	-0.0875	326	1.0925
193	-0.3495	245	0.1795	327	1.1895
194	-0.3545	246	0.3885	328	1.2715
195	-0.3345	247	0.5275	329	1.3475
196	-0.7825	248	0.5605	330	1.4015
197	-0.3535	249	0.5315	331	1.4345
198	-0.7825	250	0.0005	332	1.4235
199	-0.7825	251	-0.3245	333	1.4505
200	-0.3395	252	-0.1565	334	1.4885
201	-0.3455	253	0.6875	335	1.5015
202	-0.3485	254	0.6595	336	1.5115
203	-0.3495	255	-0.7825	337	1.5145
204	-0.3485	256	-0.3115	338	1.5175
205	-0.0085	257	-0.2215	339	1.5185
206	0.1115	258	0.1635	340	1.5215
207	-0.0025	259	0.4045	341	1.5235
208	0.0465	260	0.4925	350	0.1035
210	0.6855	261	0.5465	351	0.1665
211	0.7865	262	0.5565	352	-0.0145
212	0.6865	263	0.3265	353	-0.1035
213	-0.3175	264	0.2005	354	-0.0685
214	-0.3215	265	-0.0075	355	0.0025
215	-0.2745	266	0.0305		
216	-0.2125	267	0.2415		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 49
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 3.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.353
TUNNEL DYNAMIC PRESSURE(PSF) = 824.
TUNNEL STAGNATION PRESSURE(PSF) = 1916.
TUNNEL STATIC PRESSURE(PSF) = 643.
REYNOLDS NUMBER PER FOOT = 3.9670E 06
MODEL ANGLE OF ATTACK(DEG) = -8.10
FIN ANGLE(DEG) = -0.54
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.7977
247	1.7977
347	1.7977
447	1.7987
547	1.7967
647	1.7987
747	1.7987

ORF	CP	ORF	CP	ORF	CP
1	0.4937	52	0.3827	102	-0.2393
2	0.3247	53	0.1997	103	-0.7803
3	0.2757	54	0.0507	104	-0.7803
4	0.2647	55	0.5027	105	-0.7803
5	0.2787	56	0.4597	110	-0.1423
6	0.2737	57	0.4477	111	-0.1273
7	0.2887	58	0.4457	112	-0.0983
8	0.2997	59	0.4587	113	-0.1493
9	0.3117	60	0.4737	114	-0.1953
10	0.3177	61	0.4547	115	-0.1563
11	0.3377	62	0.4267	116	-0.0783
12	0.3457	63	0.3747	117	-0.0523
13	0.3387	64	0.0447	118	-0.0643
14	0.2277	65	0.0577	119	-0.0743
15	0.1337	66	0.5347	120	0.0167
16	0.4077	67	0.4997	121	-0.1003
17	0.3357	68	0.4927	122	-0.2043
18	0.3117	69	0.4967	123	-0.2323
19	0.3027	70	0.4877	124	-0.1483
20	0.3127	71	0.4627	125	-0.1223
21	0.3107	72	0.4227	126	-0.1003
22	0.3197	73	0.3527	127	-0.1123
23	0.3267	74	0.0417	128	-0.2223
24	-0.7803	75	0.5927	129	-0.1483
25	0.3507	76	0.5467	135	-0.0963
26	0.3627	77	0.5267	136	-0.0953
27	0.3557	78	0.4897	137	-0.0973
28	0.2567	79	0.4557	138	-0.0003
29	0.1077	80	0.3947	139	0.0067
30	0.4267	81	0.2657	140	0.0077
32	0.3577	82	0.0017	141	0.0477
33	0.3557	83	0.5547	142	0.0527
34	0.3457	84	0.5417	143	0.0457
35	0.3477	85	0.4797	145	-0.0973
36	0.3517	86	0.4007	147	0.0497
37	0.3627	87	0.3247	151	0.4397
38	0.3767	88	0.2367	152	0.2067
39	0.3897	89	-0.0483	153	0.0617
40	0.3767	90	0.5507	154	-0.1833
41	0.2937	91	0.3677	155	0.3687
42	0.0567	92	0.2777	156	0.5227
43	0.4727	93	0.2177	157	0.2877
44	0.4347	94	0.1597	158	0.8097
45	0.4057	95	-0.1123	159	0.6477
46	0.4007	96	-0.1903	160	0.5777
47	0.3967	97	-0.0793	161	0.4707
48	0.3987	98	-0.1563	162	0.7657
49	0.4237	99	-0.2873	163	0.6797
50	0.4437	100	-0.1903	164	0.0047
51	0.4247	101	-0.2623	165	0.4037

ORF	CP	ORF	CP	ORF	CP
166	0.8067	217	-0.1483	268	-0.0333
167	0.6457	218	-0.0393	269	-0.0293
168	0.6027	219	0.1327	270	0.0707
169	0.4767	220	0.3637	271	-0.1633
170	0.5947	221	0.1807	272	-0.1663
171	0.5197	222	0.2647	273	0.0677
172	0.3227	223	0.6057	274	0.0977
173	0.4147	224	0.6827	275	0.2547
174	0.2747	225	0.5227	276	0.5567
175	0.0877	226	0.4507	277	0.5457
176	-0.1623	227	-0.7803	278	0.1217
177	0.2147	228	-0.7803	279	0.2027
178	0.0787	229	-0.2863	280	0.2467
179	0.0647	230	-0.1353	281	0.2777
180	-0.3373	231	-0.0953	282	0.2797
181	0.3927	232	-0.0573	283	0.2637
182	0.5027	233	-0.7803	284	0.3277
183	0.1637	234	0.3867	285	0.3517
184	0.2727	235	0.2947	286	-0.2513
185	0.3917	236	0.3657	287	-0.0713
186	0.5857	237	0.5347	288	0.1367
187	0.7267	238	0.5517	289	0.1267
188	0.8567	239	0.4957	290	-0.0673
189	1.0097	240	0.4677	291	-0.7803
190	0.2947	241	-0.7803	292	0.0897
191	-0.3013	242	-0.3263	325	0.7097
192	-0.3143	244	-0.1043	326	0.7837
193	-0.3133	245	-0.0193	327	0.8617
194	-0.3203	246	0.0817	328	0.9417
195	-0.2923	247	0.2717	329	0.9977
196	-0.3403	248	0.3777	330	1.0787
197	-0.3193	249	0.3947	331	1.3997
198	-0.3263	250	0.0437	332	1.5127
199	-0.3343	251	-0.2913	333	1.5277
200	-0.2973	252	-0.1733	334	1.5167
201	-0.3063	253	0.5177	335	1.4807
202	-0.3143	254	0.5017	336	1.4807
203	-0.3163	255	-0.7803	337	1.4937
204	-0.3123	256	-0.2553	338	1.5047
205	0.1657	257	-0.1233	339	1.5087
206	0.1997	258	0.0527	340	1.5097
207	0.2107	259	0.1897	341	1.5137
208	0.2247	260	0.2267	350	0.1787
210	0.5087	261	0.2907	351	0.1307
211	0.6337	262	0.3667	352	0.0027
212	0.5577	263	0.1967	353	-0.0993
213	-0.3303	264	0.1237	354	-0.0843
214	-0.3073	265	-0.0533	355	-0.0273
215	-0.2583	266	-0.0433		
216	-0.2103	267	0.1207		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 50
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 3.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.353
TUNNEL DYNAMIC PRESSURE(PSF) = 824.
TUNNEL STAGNATION PRESSURE(PSF) = 1916.
TUNNEL STATIC PRESSURE(PSF) = 643.
REYNOLDS NUMBER PER FOOT = 3.9650E 06
MODEL ANGLE OF ATTACK(DEG) = -4.08
FIN ANGLE(DEG) = -0.44
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.7977
247	1.7987
347	1.7987
447	1.7987
547	1.7957
647	1.7987
747	1.7967

ORF	CP	ORF	CP	ORF	CP
1	0.2897	52	0.2447	102	-0.2483
2	0.0827	53	0.1117	103	-0.7803
3	0.0877	54	-0.0383	104	-0.7803
4	0.1227	55	0.3287	105	-0.3503
5	0.1437	56	0.2907	110	-0.1233
6	0.1567	57	0.2757	111	-0.1173
7	0.1637	58	0.2697	112	-0.0963
8	0.1697	59	0.2777	113	-0.1473
9	0.1787	60	0.2847	114	-0.2153
10	0.1837	61	0.2867	115	-0.1583
11	0.1927	62	0.2837	116	-0.0953
12	0.1957	63	0.2687	117	-0.0663
13	0.1867	64	-0.0113	118	-0.0803
14	0.0947	65	-0.0163	119	-0.0783
15	0.0187	66	0.3527	120	0.0417
16	0.1857	67	0.3177	121	-0.0893
17	0.1527	68	0.3017	122	-0.2163
18	0.1717	69	0.2977	123	-0.2153
19	0.1717	70	0.2957	124	-0.1263
20	0.1747	71	0.3087	125	-0.0973
21	0.1757	72	0.2967	126	-0.0753
22	0.1817	73	0.2757	127	-0.0943
23	0.1897	74	-0.0123	128	-0.2143
24	-0.7803	75	0.3807	129	-0.1483
25	0.2037	76	0.3447	135	-0.0753
26	0.2097	77	0.3347	136	-0.0823
27	0.1917	78	0.3227	137	-0.0803
28	0.1147	79	0.3157	138	0.0147
29	-0.0133	80	0.3037	139	0.0157
30	0.2297	81	0.2157	140	0.0167
32	0.2067	82	-0.0513	141	0.0417
33	0.1997	83	0.3517	142	0.0437
34	0.1987	84	0.3597	143	0.0427
35	0.2017	85	0.3327	145	-0.0823
36	0.2067	86	0.2917	147	0.0427
37	0.2187	87	0.2337	151	0.3137
38	0.2247	88	0.1717	152	0.0887
39	0.2227	89	-0.1003	153	-0.0293
40	0.2127	90	0.3957	154	-0.2763
41	0.1557	91	0.2327	155	0.2877
42	-0.0523	92	0.1677	156	0.4007
43	0.2977	93	0.1397	157	0.2237
44	0.2607	94	0.1097	158	0.7187
45	0.2467	95	-0.1373	159	0.5447
46	0.2417	96	-0.1813	160	0.5107
47	0.2507	97	-0.0983	161	0.4217
48	0.2537	98	-0.0543	162	0.6757
49	0.2627	99	-0.0153	163	0.5837
50	0.2617	100	0.0597	164	0.0177
51	0.2617	101	-0.2873	165	0.3357

ORF	CP	ORF	CP	ORF	CP
166	0.6527	217	-0.0373	268	-0.0893
167	0.5437	218	0.0147	269	-0.0403
168	0.4957	219	0.1407	270	0.0047
169	0.3677	220	0.2447	271	-0.2013
170	0.5417	221	0.0867	272	-0.1913
171	0.4067	222	0.1287	273	0.0297
172	0.2327	223	0.4897	274	0.0377
173	0.3087	224	0.5577	275	0.3237
174	0.1977	225	0.4207	276	0.4117
175	-0.0163	226	0.3587	277	0.3457
176	-0.2073	227	-0.7803	278	-0.2023
177	0.0887	228	-0.3363	279	-0.1403
178	-0.0303	229	-0.2083	280	-0.0183
179	-0.0223	230	-0.0733	281	0.0867
180	-0.3203	231	-0.0483	282	0.1527
181	0.4817	232	0.0267	283	0.1467
182	0.5877	233	-0.7803	284	0.1937
183	0.2947	234	0.2577	285	0.1967
184	0.4397	235	0.1677	286	-0.2663
185	0.5797	236	0.2537	287	-0.0593
186	0.7317	237	0.4197	288	0.0807
187	0.8767	238	0.4097	289	0.0747
188	1.0067	239	0.4217	290	-0.1063
189	1.1257	240	0.3707	291	-0.2893
190	0.3377	241	-0.7803	292	0.1767
191	-0.2873	242	-0.7803	325	0.5147
192	-0.3013	244	-0.0873	326	0.5607
193	-0.3013	245	0.0387	327	0.5697
194	-0.3093	246	0.0917	328	0.6277
195	-0.2833	247	0.1727	329	0.6297
196	-0.3203	248	0.2427	330	0.7057
197	-0.3083	249	0.2527	331	0.9337
198	-0.3123	250	0.0777	332	1.1997
199	-0.3163	251	-0.2783	333	1.4337
200	-0.2903	252	-0.2083	334	1.5197
201	-0.2993	253	0.3547	335	1.5227
202	-0.3023	254	0.2907	336	1.5207
203	-0.3033	255	-0.2573	337	1.5137
204	-0.2993	256	-0.1463	338	1.5007
205	0.2657	257	-0.0603	339	1.4927
206	0.3027	258	0.0337	340	1.4987
207	0.3117	259	0.0857	341	1.5047
208	0.2927	260	0.1217	350	0.2287
210	0.3657	261	0.1717	351	0.2127
211	0.5177	262	0.2157	352	0.1557
212	0.4507	263	0.0777	353	0.0607
213	-0.2943	264	0.0267	354	-0.0663
214	-0.2403	265	-0.0773	355	-0.0003
215	-0.1593	266	-0.0673		
216	-0.1013	267	0.0117		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 51
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 3.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.352
TUNNEL DYNAMIC PRESSURE(PSF) = 823.
TUNNEL STAGNATION PRESSURE(PSF) = 1913.
TUNNEL STATIC PRESSURE(PSF) = 643.
REYNOLDS NUMBER PER FOOT = 3.9580E 06
MODEL ANGLE OF ATTACK(DEG) = -0.07
FIN ANGLE(DEG) = -0.28
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.7997
247	1.7997
347	1.8007
447	1.8007
547	1.7967
647	1.7997
747	1.7997

ORF	CP	ORF	CP	ORF	CP
1	0.4147	52	0.2357	102	-0.3273
2	0.0587	53	0.0787	103	-0.7813
3	-0.2713	54	-0.0423	104	-0.7813
4	-0.2773	55	0.0767	105	-0.7813
5	-0.2473	56	0.0147	110	-0.1043
6	-0.1903	57	-0.0193	111	-0.1083
7	-0.0563	58	-0.0093	112	-0.0953
8	0.0467	59	0.1007	113	-0.1393
9	0.0967	60	0.2197	114	-0.2043
10	0.1377	61	0.2487	115	-0.1623
11	0.1677	62	0.2577	116	-0.1033
12	0.1837	63	0.2227	117	-0.0763
13	0.1957	64	-0.0323	118	-0.0763
14	0.1227	65	-0.0373	119	-0.0823
15	0.0247	66	0.0817	120	0.0497
16	0.1317	67	0.0437	121	-0.0903
17	-0.0683	68	0.0247	122	-0.2133
18	-0.2013	69	0.0897	123	-0.2103
19	-0.2523	70	0.2177	124	-0.1173
20	-0.2243	71	0.2617	125	-0.0943
21	-0.0603	72	0.2577	126	-0.0723
22	0.0777	73	0.2197	127	-0.0853
23	0.1367	74	-0.0323	128	-0.2133
24	-0.7813	75	0.1067	129	-0.1533
25	0.1827	76	0.0837	135	-0.0683
26	0.2017	77	0.1457	136	-0.0733
27	0.2147	78	0.2397	137	-0.0763
28	0.1497	79	0.2727	138	0.0157
29	-0.0053	80	0.2587	139	0.0187
30	0.0557	81	0.1637	140	0.0167
32	-0.1453	82	-0.0603	141	0.0317
33	-0.1923	83	0.1037	142	0.0327
34	-0.1623	84	0.0917	143	0.0367
35	0.0417	85	0.2247	145	-0.0743
36	0.1327	86	0.2587	147	0.0347
37	0.1807	87	0.2197	151	0.1527
38	0.1917	88	0.1657	152	-0.0323
39	0.2147	89	-0.0883	153	-0.1693
40	0.2267	90	0.1307	154	-0.3433
41	0.1667	91	0.1127	155	0.2687
42	-0.0493	92	0.2087	156	0.2327
43	0.0507	93	0.1887	157	0.0867
44	-0.0153	94	0.1547	158	0.5817
45	-0.0683	95	-0.1023	159	0.3837
46	-0.1063	96	-0.2683	160	0.3737
47	-0.0333	97	-0.0483	161	0.3027
48	0.1517	98	-0.0353	162	0.5197
49	0.2037	99	0.1367	163	0.4457
50	0.2257	100	0.1567	164	0.0177
51	0.2387	101	-0.3573	165	0.2257

ORF	CP	ORF	CP	ORF	CP
166	0.5307	217	0.0147	268	-0.1673
167	0.3987	218	0.0647	269	-0.1343
168	0.3617	219	0.1117	270	-0.0083
169	0.2517	220	0.1477	271	-0.2953
170	0.4367	221	0.0017	272	-0.2893
171	0.2837	222	0.0277	273	-0.0103
172	0.1277	223	0.3587	274	0.0467
173	0.1797	224	0.4227	275	0.3997
174	0.0877	225	0.3707	276	0.5737
175	-0.1323	226	0.3027	277	0.4977
176	-0.2643	227	-0.7813	278	-0.7813
177	-0.0503	228	-0.3293	279	-0.7813
178	-0.1463	229	-0.2173	280	-0.3093
179	-0.0843	230	-0.0523	281	-0.2613
180	-0.3103	231	0.0227	282	-0.2223
181	0.3727	232	0.0587	283	-0.1403
182	0.4837	233	-0.7813	284	0.1277
183	0.5627	234	0.1657	285	0.1987
184	0.8097	235	0.0877	286	-0.3443
185	0.8777	236	0.1377	287	-0.1573
186	0.9417	237	0.3047	288	0.0637
187	1.0157	238	0.2717	289	0.0587
188	1.0667	239	0.3527	290	-0.1613
189	1.1647	240	0.2797	291	-0.2553
190	0.4037	241	-0.3403	292	0.2447
191	-0.2913	242	-0.2923	325	0.3837
192	-0.2993	244	-0.0543	326	0.4107
193	-0.2983	245	0.0007	327	0.4257
194	-0.3023	246	0.0207	328	0.4207
195	-0.2973	247	0.0937	329	0.4187
196	-0.3043	248	0.1657	330	0.4137
197	-0.3023	249	0.1807	331	0.4827
198	-0.3033	250	0.0847	332	0.6027
199	-0.3053	251	-0.2793	333	0.8237
200	-0.3033	252	-0.2513	334	1.2697
201	-0.2993	253	0.3957	335	1.4727
202	-0.2963	254	0.3317	336	1.5067
203	-0.2983	255	-0.7813	337	1.4987
204	-0.3003	256	-0.7813	338	1.4737
205	0.2907	257	-0.7813	339	1.4707
206	0.3387	258	-0.2803	340	1.4817
207	0.3377	259	-0.0523	341	1.4897
208	0.3257	260	-0.0033	350	0.2267
210	0.3227	261	0.1147	351	0.2477
211	0.4317	262	0.2257	352	0.1837
212	0.3697	263	0.0217	353	0.1407
213	-0.2933	264	-0.0143	354	0.0507
214	-0.2193	265	-0.1483	355	0.0627
215	-0.1553	266	-0.1423		
216	-0.0663	267	-0.0413		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 52
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 3.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.352
TUNNEL DYNAMIC PRESSURE(PSF) = 823.
TUNNEL STAGNATION PRESSURE(PSF) = 1913.
TUNNEL STATIC PRESSURE(PSF) = 643.
REYNOLDS NUMBER PER FOOT = 3.9560E 06
MODEL ANGLE OF ATTACK(DEG) = 4.00
FIN ANGLE(DEG) = -0.02
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
.147	1.7997
247	1.7997
347	1.7997
447	1.8007
547	1.7987
647	1.8007
747	1.7997

ORF	CP	ORF	CP	ORF	CP
1	0.2427	52	0.0387	102	-0.2723
2	-0.0663	53	-0.0943	103	-0.7813
3	-0.2013	54	-0.1413	104	-0.7813
4	-0.1023	55	-0.0283	105	-0.7813
5	-0.0373	56	-0.0293	110	-0.0583
6	-0.0283	57	-0.0283	111	-0.0793
7	-0.0223	58	-0.0043	112	-0.0823
8	-0.0013	59	0.0177	113	-0.1193
9	0.0347	60	0.0437	114	-0.2033
10	0.0457	61	0.0667	115	-0.1583
11	0.0687	62	0.0617	116	-0.0843
12	0.0887	63	0.0527	117	-0.0713
13	0.1007	64	-0.1553	118	-0.0713
14	0.0097	65	-0.1543	119	-0.0803
15	-0.0963	66	-0.0953	120	0.0407
16	0.0217	67	-0.0163	121	-0.0873
17	-0.0653	68	-0.0203	122	-0.2033
18	-0.0613	69	-0.0063	123	-0.2163
19	-0.0403	70	0.0257	124	-0.1203
20	-0.0403	71	0.0607	125	-0.0943
21	-0.0313	72	0.0617	126	-0.0723
22	-0.0073	73	0.0627	127	-0.0883
23	0.0207	74	-0.1403	128	-0.2073
24	-0.7813	75	-0.1863	129	-0.1473
25	0.0637	76	-0.0063	135	-0.0753
26	0.0797	77	-0.0073	136	-0.0813
27	0.0657	78	0.0077	137	-0.0813
28	-0.0183	79	0.0527	138	0.0117
29	-0.1263	80	0.0827	139	0.0147
30	-0.0093	81	0.0497	140	0.0127
32	-0.0403	82	-0.0933	141	0.0387
33	-0.0443	83	-0.2023	142	0.0397
34	-0.0373	84	-0.0153	143	0.0407
35	-0.0123	85	-0.0123	145	-0.0793
36	0.0187	86	0.0117	147	0.0377
37	0.0427	87	0.0817	151	0.1077
38	0.0577	88	0.0887	152	-0.0663
39	0.0667	89	-0.1003	153	-0.1773
40	0.0477	90	-0.3363	154	-0.7813
41	-0.0283	91	0.0557	155	0.1857
42	-0.1363	92	0.0747	156	0.1497
43	-0.0273	93	0.0777	157	0.0037
44	-0.0363	94	0.1057	158	0.4777
45	-0.0413	95	-0.1203	159	0.2687
46	-0.0323	96	-0.0603	160	0.2467
47	-0.0023	97	-0.1543	161	0.1717
48	0.0347	98	0.2037	162	0.4007
49	0.0607	99	0.2457	163	0.3067
50	0.0677	100	0.0577	164	0.0137
51	0.0687	101	-0.3083	165	0.1087

ORF	CP	ORF	CP	ORF	CP
166	0.4267	217	0.0257	268	-0.2023
167	0.2877	218	0.0537	269	-0.0663
168	0.2447	219	0.0727	270	-0.0263
169	0.1477	220	0.1107	271	-0.2683
170	0.3157	221	-0.0343	272	-0.2443
171	0.1877	222	0.0097	273	0.0017
172	0.0467	223	0.3017	274	-0.0143
173	0.1357	224	0.3427	275	0.3147
174	0.0337	225	0.3337	276	0.4257
175	-0.1333	226	0.2617	277	0.3117
176	-0.2903	227	-0.7813	278	-0.7813
177	-0.0833	228	-0.3103	279	-0.7813
178	-0.1693	229	-0.1873	280	-0.2833
179	-0.1073	230	-0.0523	281	-0.1613
180	-0.3083	231	0.0057	282	-0.0453
181	0.3967	232	0.0237	283	-0.0493
182	0.5287	233	-0.7813	284	0.0467
183	0.5217	234	0.1267	285	0.1087
184	0.6827	235	0.0477	286	-0.2943
185	0.7507	236	0.1027	287	-0.1563
186	0.8107	237	0.2407	288	0.0277
187	0.9387	238	0.2377	289	-0.0143
188	1.0747	239	0.3807	290	-0.1363
189	1.1957	240	0.3317	291	-0.2803
190	0.4677	241	-0.7813	292	0.2187
191	-0.2993	242	-0.7813	325	0.5097
192	-0.2963	244	-0.1583	326	0.5557
193	-0.2953	245	-0.0993	327	0.5967
194	-0.2953	246	-0.0343	328	0.6187
195	-0.3013	247	0.0827	329	0.6427
196	-0.3133	248	0.1577	330	0.6947
197	-0.2963	249	0.1377	331	0.8717
198	-0.2973	250	0.0807	332	1.0407
199	-0.3003	251	-0.2773	333	1.1527
200	-0.3053	252	-0.2883	334	1.2977
201	-0.2963	253	0.4747	335	1.3627
202	-0.2943	254	0.3967	336	1.3987
203	-0.2943	255	-0.7813	337	1.4037
204	-0.2963	256	-0.7813	338	1.3877
205	0.2337	257	-0.7813	339	1.3917
206	0.2757	258	-0.3263	340	1.4207
207	0.2797	259	-0.1593	341	1.4457
208	0.2487	260	-0.0153	350	0.3427
210	0.3137	261	0.0747	351	0.4337
211	0.3727	262	0.1557	352	0.5517
212	0.2967	263	-0.1053	353	0.6167
213	-0.3103	264	-0.0673	354	0.2947
214	-0.2383	265	-0.1603	355	0.1167
215	-0.1673	266	-0.1033		
216	-0.0493	267	-0.1243		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 53
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 3.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.354
TUNNEL DYNAMIC PRESSURE(PSF) = 824.
TUNNEL STAGNATION PRESSURE(PSF) = 1917.
TUNNEL STATIC PRESSURE(PSF) = 643.
REYNOLDS NUMBER PER FOOT = 3.9610E 06
MODEL ANGLE OF ATTACK(DEG) = 7.98
FIN ANGLE(DEG) = -0.22
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCAN VALUE	CP(REF)
147	1.7967
247	1.7957
347	1.7967
447	1.7967
547	1.7947
647	1.7967
747	1.7967

ORF	CP	ORF	CP	ORF	CP
1	0.1937	52	-0.0813	102	-0.3183
2	-0.0413	53	-0.2063	103	-0.7803
3	-0.0933	54	-0.2243	104	-0.7803
4	-0.0193	55	-0.2653	105	-0.7803
5	0.0237	56	-0.1463	110	-0.0043
6	0.0377	57	-0.0523	111	-0.0283
7	0.0387	58	-0.0243	112	-0.0413
8	0.0327	59	-0.0103	113	-0.0863
9	0.0317	60	-0.0073	114	-0.2043
10	0.0297	61	-0.0163	115	-0.1413
11	0.0357	62	-0.0413	116	-0.0453
12	0.0477	63	-0.0853	117	-0.0573
13	0.0477	64	-0.2663	118	-0.0573
14	-0.0503	65	-0.2553	119	-0.0643
15	-0.1533	66	-0.3313	120	0.0387
16	-0.0003	67	-0.2323	121	-0.1013
17	-0.0503	68	-0.1433	122	-0.1993
18	-0.0063	69	-0.0713	123	-0.2433
19	0.0017	70	-0.0203	124	-0.1333
20	0.0057	71	-0.0203	125	-0.1153
21	0.0017	72	-0.0333	126	-0.0933
22	-0.0003	73	-0.0453	127	-0.1043
23	-0.0013	74	-0.2413	128	-0.2023
24	-0.7803	75	-0.7803	129	-0.1523
25	0.0157	76	-0.2623	135	-0.0893
26	0.0237	77	-0.2003	136	-0.0923
27	0.0097	78	-0.1323	137	-0.0943
28	-0.0823	79	-0.0803	138	0.0017
29	-0.1923	80	-0.0503	139	-0.0003
30	-0.0173	81	-0.0643	140	0.0017
32	-0.0163	82	-0.2053	141	0.0387
33	-0.0183	83	-0.2923	142	0.0437
34	-0.0243	84	-0.2863	143	0.0417
35	-0.0253	85	-0.2163	145	-0.0923
36	-0.0193	86	-0.1653	147	0.0417
37	-0.0153	87	-0.1163	151	0.1757
38	-0.0113	88	-0.0853	152	-0.0053
39	-0.0133	89	-0.1883	153	-0.1153
40	-0.0403	90	-0.7803	154	-0.3093
41	-0.1203	91	-0.3023	155	0.1367
42	-0.2213	92	-0.2183	156	0.2477
43	-0.0863	93	-0.1883	157	0.0747
44	-0.0373	94	-0.1683	158	0.5877
45	-0.0233	95	-0.2393	159	0.3647
46	-0.0193	96	-0.0473	160	0.3317
47	-0.0163	97	-0.1503	161	0.2557
48	-0.0113	98	0.2647	162	0.5227
49	-0.0113	99	0.3807	163	0.4137
50	-0.0163	100	0.0577	164	0.0027
51	-0.0403	101	-0.3343	165	0.1827

ORF	CP	ORF	CP	ORF	CP
166	0.5487	217	-0.2283	268	-0.2603
167	0.3767	218	-0.1113	269	-0.1353
168	0.3367	219	-0.0233	270	-0.1033
169	0.2317	220	0.1207	271	-0.3063
170	0.2547	221	-0.0533	272	-0.2483
171	0.2827	222	-0.0143	273	-0.0663
172	0.1127	223	0.3027	274	-0.0753
173	0.1777	224	0.3947	275	0.2437
174	0.0457	225	0.4147	276	0.3647
175	-0.0933	226	0.3217	277	0.2757
176	-0.3243	227	-0.7803	278	-0.7803
177	-0.0143	228	-0.7803	279	-0.3283
178	-0.1103	229	-0.7803	280	-0.2113
179	-0.0933	230	-0.3073	281	-0.0893
180	-0.3133	231	-0.1553	282	0.0267
181	0.0277	232	-0.0923	283	0.0267
182	0.2317	233	-0.7803	284	0.0367
183	0.5357	234	0.1487	285	0.0537
184	0.6437	235	-0.0193	286	-0.3273
185	0.6707	236	0.1107	287	-0.1893
186	0.6887	237	0.3077	288	-0.0443
187	0.7467	238	0.2607	289	-0.0713
188	0.8267	239	0.3907	290	-0.2233
189	0.9057	240	0.3327	291	-0.3243
190	0.5187	241	-0.7803	292	0.3417
191	-0.3103	242	-0.7803	325	0.6967
192	-0.3053	244	-0.2033	326	0.7597
193	-0.3053	245	-0.1823	327	0.7837
194	-0.3043	246	-0.1283	328	0.7757
195	-0.3153	247	0.0247	329	0.8107
196	-0.3223	248	0.1177	330	0.8357
197	-0.3083	249	0.0837	331	0.9357
198	-0.3063	250	0.0757	332	0.9987
199	-0.3083	251	-0.2913	333	1.0447
200	-0.3163	252	-0.7803	334	1.1267
201	-0.3053	253	0.4057	335	1.2437
202	-0.3053	254	0.3077	336	1.3407
203	-0.3053	255	-0.7803	337	1.3917
204	-0.3073	256	-0.7803	338	1.4097
205	0.1927	257	-0.7803	339	1.4227
206	0.2307	258	-0.7803	340	1.4247
207	0.2237	259	-0.0723	341	1.4377
208	0.2157	260	0.0247	350	0.5367
210	0.4617	261	0.0187	351	0.5867
211	0.4947	262	0.0847	352	0.6397
212	0.4017	263	-0.1603	353	0.6577
213	-0.7803	264	-0.1653	354	0.6447
214	-0.7803	265	-0.2603	355	0.6117
215	-0.3313	266	-0.1793		
216	-0.2773	267	-0.1893		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 54
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 3.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.348
TUNNEL DYNAMIC PRESSURE(PSF) = 824.
TUNNEL STAGNATION PRESSURE(PSF) = 1918.
TUNNEL STATIC PRESSURE(PSF) = 648.
REYNOLDS NUMBER PER FOOT = 3.9650E 06
MODEL ANGLE OF ATTACK(DEG) = 14.47
FIN ANGLE(DEG) = -0.24
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.7896
247	1.7906
347	1.7906
447	1.7916
547	1.7896
647	1.7916
747	1.7906

ORF	CP	ORF	CP	ORF	CP
1	0.0126	52	-0.1144	102	-0.3254
2	-0.0934	53	-0.2054	103	-0.7864
3	-0.0754	54	-0.2324	104	-0.7864
4	-0.0444	55	-0.1004	105	-0.7864
5	-0.0284	56	-0.0794	110	0.0956
6	-0.0254	57	-0.0814	111	0.0716
7	-0.0264	58	-0.0744	112	0.0566
8	-0.0124	59	-0.0824	113	0.0006
9	-0.0084	60	-0.0924	114	-0.2074
10	0.0126	61	-0.1094	115	-0.0444
11	0.0356	62	-0.1394	116	0.0946
12	0.0336	63	-0.1804	117	-0.0014
13	0.0286	64	-0.2844	118	-0.0194
14	-0.0514	65	-0.2924	119	-0.0284
15	-0.1274	66	-0.2334	120	-0.0014
16	-0.1014	67	-0.1664	121	-0.1734
17	-0.0984	68	-0.1564	122	-0.2484
18	-0.0794	69	-0.1344	123	-0.3214
19	-0.0724	70	-0.1454	124	-0.1854
20	-0.0464	71	-0.1584	125	-0.1754
21	-0.0314	72	-0.1774	126	-0.1494
22	-0.0254	73	-0.2264	127	-0.1644
23	-0.0094	74	-0.3264	128	-0.2444
24	-0.7864	75	-0.7864	129	-0.1904
25	0.0166	76	-0.3124	135	-0.1554
26	0.0246	77	-0.2514	136	-0.1514
27	0.0106	78	-0.2284	137	-0.1514
28	-0.0724	79	-0.1894	138	-0.0634
29	-0.1544	80	-0.1994	139	-0.0614
30	-0.0604	81	-0.2684	140	-0.0554
32	-0.0584	82	-0.3364	141	0.0736
33	-0.0534	83	-0.3394	142	0.0716
34	-0.0494	84	-0.7864	143	0.0676
35	-0.0314	85	-0.7864	145	-0.1584
36	-0.0254	86	-0.3054	147	0.0716
37	-0.0234	87	-0.2774	151	0.4376
38	-0.0104	88	-0.2694	152	0.1516
39	-0.0194	89	-0.3384	153	-0.0384
40	-0.0424	90	-0.7864	154	-0.2084
41	-0.1034	91	-0.7864	155	0.2856
42	-0.2044	92	-0.7864	156	0.3616
43	-0.0514	93	-0.7864	157	0.1856
44	-0.0434	94	-0.7864	158	0.4396
45	-0.0424	95	-0.7864	159	0.5406
46	-0.0374	96	-0.1504	160	0.4856
47	-0.0374	97	-0.2354	161	0.3746
48	-0.0414	98	0.1036	162	0.4526
49	-0.0444	99	0.2876	163	0.5306
50	-0.0494	100	0.0316	164	-0.0654
51	-0.0754	101	-0.3604	165	0.2846

ORF	CP	ORF	CP	ORF	CP
166	0.6186	217	-0.2664	268	-0.2874
167	0.5856	218	-0.2044	269	-0.3114
168	0.4686	219	-0.1824	270	-0.2224
169	0.3506	220	-0.1854	271	-0.2944
170	0.3556	221	-0.0024	272	-0.3164
171	0.4906	222	-0.0224	273	-0.1794
172	0.2846	223	0.2886	274	-0.1574
173	0.3746	224	0.3156	275	0.1186
174	0.2206	225	0.5516	276	0.1536
175	0.0526	226	0.4536	277	0.1236
176	-0.2014	227	-0.7864	278	-0.7864
177	0.1766	228	-0.7864	279	-0.2704
178	0.1056	229	-0.7864	280	-0.1814
179	0.1336	230	-0.7864	281	-0.0944
180	-0.3494	231	-0.2944	282	-0.0234
181	-0.1114	232	-0.2414	283	-0.0374
182	0.1596	233	-0.3484	284	0.0146
183	0.8376	234	-0.2314	285	0.0406
184	1.2406	235	-0.0394	286	-0.3394
185	1.3116	236	0.2546	287	-0.2104
186	1.3256	237	0.3846	288	-0.1114
187	1.3636	238	0.3916	289	-0.1334
188	1.3806	239	0.2616	290	-0.7864
189	1.3596	240	0.2506	291	-0.3474
190	0.7776	241	-0.7864	292	0.5476
191	-0.3404	242	-0.7864	325	0.2396
192	-0.3324	244	-0.7864	326	0.6636
193	-0.3324	245	-0.7864	327	1.0576
194	-0.3324	246	-0.7864	328	1.2326
195	-0.3454	247	-0.3314	329	1.2876
196	-0.3414	248	0.0186	330	1.2916
197	-0.3364	249	0.1406	331	1.2096
198	-0.3344	250	0.0396	332	1.0506
199	-0.3334	251	-0.3174	333	0.9636
200	-0.3504	252	-0.7864	334	0.7876
201	-0.3324	253	0.2476	335	0.7296
202	-0.3314	254	0.1506	336	0.6776
203	-0.3324	255	-0.7864	337	0.6916
204	-0.3334	256	-0.7864	338	0.7376
205	0.0426	257	-0.7864	339	0.8436
206	0.0976	258	-0.7864	340	1.0706
207	0.0786	259	-0.2364	341	1.2426
208	0.0436	260	-0.1484	350	0.6646
210	0.5586	261	-0.0404	351	0.6796
211	0.6686	262	0.0606	352	0.6986
212	0.5736	263	-0.0934	353	0.7036
213	-0.3474	264	-0.1714	354	0.6736
214	-0.7864	265	-0.7864	355	0.6336
215	-0.3234	266	-0.3534		
216	-0.2774	267	-0.1394		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 55
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 3.
CONFIGURATION NO. = 1.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.352
TUNNEL DYNAMIC PRESSURE(PSF) = 823.
TUNNEL STAGNATION PRESSURE(PSF) = 1914.
TUNNEL STATIC PRESSURE(PSF) = 643.
REYNOLDS NUMBER PER FOOT = 3.9660E 06
MODEL ANGLE OF ATTACK(DEG) = 0.02
FIN ANGLE(DEG) = -0.37
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 559.

SCANIVALE	CP(REF)
147	1.7987
247	1.7997
347	1.7997
447	1.7997
547	1.7987
647	1.8007
747	1.7997

ORF	CP	ORF	CP	ORF	CP
1	0.4177	52	0.2347	102	-0.3233
2	0.0577	53	0.0797	103	-0.7813
3	-0.2683	54	-0.0453	104	-0.7813
4	-0.2723	55	0.0747	105	-0.7813
5	-0.2383	56	0.0157	110	-0.1033
6	-0.1743	57	-0.0173	111	-0.1083
7	-0.0493	58	-0.0123	112	-0.0963
8	0.0447	59	0.0977	113	-0.1393
9	0.1027	60	0.2147	114	-0.1993
10	0.1387	61	0.2387	115	-0.1613
11	0.1607	62	0.2597	116	-0.1013
12	0.1827	63	0.2227	117	-0.0743
13	0.2017	64	-0.0243	118	-0.0783
14	0.1227	65	-0.0283	119	-0.0843
15	0.0257	66	0.0817	120	0.0507
16	0.1317	67	0.0447	121	-0.0833
17	-0.0663	68	0.0237	122	-0.2093
18	-0.2053	69	0.1187	123	-0.2083
19	-0.2493	70	0.2217	124	-0.1153
20	-0.2163	71	0.2677	125	-0.0923
21	-0.0663	72	0.2587	126	-0.0703
22	0.0607	73	0.2187	127	-0.0833
23	0.1227	74	-0.0383	128	-0.2113
24	-0.7813	75	0.1057	129	-0.1513
25	0.1867	76	0.0727	135	-0.0673
26	0.2017	77	0.1017	136	-0.0753
27	0.2117	78	0.2267	137	-0.0723
28	0.1387	79	0.2757	138	0.0157
29	-0.0043	80	0.2587	139	0.0197
30	0.0577	81	0.1627	140	0.0147
32	-0.1403	82	-0.0613	141	0.0347
33	-0.1953	83	0.1027	142	0.0367
34	-0.1853	84	0.1177	143	0.0367
35	0.0447	85	0.2097	145	-0.0763
36	0.1367	86	0.2537	147	0.0337
37	0.1717	87	0.2187	151	0.1527
38	0.1917	88	0.1617	152	-0.0273
39	0.2047	89	-0.0893	153	-0.1723
40	0.2147	90	0.1347	154	-0.3433
41	0.1697	91	0.1277	155	0.2847
42	-0.0483	92	0.2027	156	0.2307
43	0.0497	93	0.1887	157	0.0827
44	-0.0163	94	0.1537	158	0.5837
45	-0.0703	95	-0.0973	159	0.3877
46	-0.0933	96	-0.2693	160	0.3687
47	-0.0183	97	-0.0583	161	0.2977
48	0.1457	98	-0.0293	162	0.5207
49	0.2067	99	0.1367	163	0.4347
50	0.2287	100	0.1487	164	0.0157
51	0.2407	101	-0.3533	165	0.2157

ORF	CP	ORF	CP	ORF	CP
166	0.5257	217	0.0167	268	-0.1713
167	0.3937	218	0.0737	269	-0.1403
168	0.3527	219	0.1107	270	-0.0013
169	0.2457	220	0.1627	271	-0.2983
170	0.4337	221	0.0007	272	-0.2853
171	0.2797	222	0.0257	273	-0.0123
172	0.1307	223	0.3637	274	0.0427
173	0.1837	224	0.4217	275	0.4097
174	0.0967	225	0.3707	276	0.5957
175	-0.1333	226	0.2987	277	0.4917
176	-0.2643	227	-0.7813	278	-0.7813
177	-0.0583	228	-0.7813	279	-0.7813
178	-0.1453	229	-0.2273	280	-0.2943
179	-0.0813	230	-0.0423	281	-0.2603
180	-0.3103	231	0.0267	282	-0.2393
181	0.3727	232	0.0597	283	-0.1443
182	0.4807	233	-0.7813	284	0.1267
183	0.5877	234	0.1637	285	0.2027
184	0.7717	235	0.0837	286	-0.3423
185	0.8217	236	0.1387	287	-0.1603
186	0.8397	237	0.3037	288	0.0687
187	0.8937	238	0.2777	289	0.0647
188	0.9787	239	0.3487	290	-0.1563
189	1.0487	240	0.2827	291	-0.2943
190	0.4017	241	-0.3273	292	0.1687
191	-0.2913	242	-0.2893	325	0.3827
192	-0.3003	244	-0.0503	326	0.4097
193	-0.3003	245	0.0017	327	0.4317
194	-0.3023	246	0.0257	328	0.4317
195	-0.2943	247	0.0937	329	0.4247
196	-0.3073	248	0.1677	330	0.4077
197	-0.3033	249	0.1877	331	0.4777
198	-0.3053	250	0.0877	332	0.6047
199	-0.3103	251	-0.2783	333	0.8357
200	-0.3013	252	-0.2483	334	1.2547
201	-0.2993	253	0.3987	335	1.4777
202	-0.2983	254	0.3277	336	1.5067
203	-0.3013	255	-0.7813	337	1.4977
204	-0.3013	256	-0.7813	338	1.4757
205	0.2877	257	-0.7813	339	1.4727
206	0.3347	258	-0.2813	340	1.4817
207	0.3357	259	-0.0513	341	1.4907
208	0.3317	260	-0.0093	350	0.2327
210	0.3307	261	0.1147	351	0.2417
211	0.4307	262	0.2267	352	0.1807
212	0.3707	263	0.0307	353	0.1957
213	-0.3003	264	-0.0093	354	0.0577
214	-0.2093	265	-0.1543	355	0.0797
215	-0.1313	266	-0.1423		
216	-0.0703	267	-0.0383		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 68
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 4.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.798
TUNNEL DYNAMIC PRESSURE(PSF) = 607.
TUNNEL STAGNATION PRESSURE(PSF) = 2071.
TUNNEL STATIC PRESSURE(PSF) = 1360.
REYNOLDS NUMBER PER FOOT = 4.0030E 06
MODEL ANGLE OF ATTACK(DEG) = -14.37
FIN ANGLE(DEG) = -0.34
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 543.

SCANIVALE	CP(REF)
147	0.6675
247	0.6685
347	0.6685
447	0.6685
547	0.6525
647	0.6545
747	0.6545

ORF	CP	ORF	CP	ORF	CP
1	0.3905	52	-0.0125	102	-0.4665
2	0.1775	53	-0.3265	103	-0.6665
3	0.2365	54	-0.3085	104	-0.6275
4	0.2765	55	0.5565	105	-0.4785
5	0.2985	56	0.4725	110	-0.0625
6	0.3015	57	0.4095	111	-0.0885
7	0.2985	58	0.3545	112	-0.0595
8	0.2875	59	0.2975	113	-0.1265
9	0.2705	60	0.2375	114	-0.1865
10	0.2455	61	0.1585	115	0.0145
11	0.2135	62	0.0685	116	0.0675
12	0.1775	63	-0.0675	117	0.0435
13	0.1035	64	-0.3815	118	-0.0465
14	-0.1475	65	-0.3835	119	-0.0485
15	-0.2665	66	0.5265	120	-0.0675
16	0.4535	67	0.4385	121	-0.0875
17	0.4115	68	0.3635	122	-0.1525
18	0.3975	69	0.2965	123	-0.2295
19	0.3765	70	0.2235	124	-0.1265
20	0.3645	71	0.1425	125	-0.1085
21	0.3405	72	0.0355	126	-0.0905
22	0.3185	73	-0.1425	127	-0.0995
23	0.2905	74	-0.3875	128	-0.1675
24	0.2585	75	0.4915	129	-0.0735
25	0.2195	76	0.3775	135	-0.0595
26	0.1605	77	0.2875	136	-0.0835
27	0.0685	78	0.1945	137	-0.0495
28	-0.1495	79	0.1045	138	0.0485
29	-0.3055	80	-0.0195	139	0.0265
30	0.5265	81	-0.2475	140	0.0515
32	0.4295	82	-0.3545	141	0.1545
33	0.4005	83	0.3845	142	0.1685
34	0.3645	84	0.2995	143	0.1635
35	0.3305	85	0.1745	145	-0.0795
36	0.3005	86	0.0685	147	0.1705
37	0.2605	87	-0.0475	151	0.2155
38	0.2155	88	-0.2195	152	-0.0515
39	0.1465	89	-0.3575	153	-0.1045
40	0.0505	90	0.2895	154	-0.2185
41	-0.1485	91	0.1135	155	0.2815
42	-0.3275	92	-0.0055	156	0.2155
43	0.5605	93	-0.0955	157	-0.0365
44	0.4745	94	-0.1895	158	0.5945
45	0.4235	95	-0.3255	159	0.3965
46	0.3845	96	-0.9065	160	0.2955
47	0.3425	97	-0.6395	161	0.1035
48	0.2915	98	-1.2025	162	0.5515
49	0.2425	99	-0.6965	163	0.3955
50	0.1825	100	-0.4575	164	0.0265
51	0.1025	101	-0.5455	165	0.0195

ORF	CP	ORF	CP	ORF	CP
166	0.5995	217	-0.1015	268	-0.3325
167	0.3815	218	0.1045	269	-0.1975
168	0.2985	219	0.1455	270	-0.1575
169	0.0855	220	0.1025	271	-0.4695
170	0.5505	221	-0.1285	272	-0.4255
171	0.2125	222	-0.1005	273	-0.1365
172	-0.0515	223	0.3905	274	-0.1355
173	0.1675	224	0.4565	275	0.4385
174	-0.0175	225	0.4275	276	0.5405
175	-0.2745	226	0.2285	277	0.4015
176	-0.3445	227	-0.4845	278	-0.3595
177	-0.0795	228	-0.4935	279	-0.1725
178	-0.2245	229	-0.4855	280	0.0265
179	-0.0725	230	-0.3935	281	0.2135
180	-0.2735	231	-0.0625	282	0.2935
181	0.5085	232	0.1045	283	0.2785
182	0.6295	233	0.1445	284	0.2715
183	0.1045	234	0.1275	285	0.1325
184	0.2605	235	0.0055	286	-0.5325
185	0.4805	236	0.1015	287	-0.3545
186	0.7675	237	0.2945	288	-0.0925
187	0.8605	238	0.3325	289	-0.1245
188	1.0015	239	0.4935	290	-0.2325
189	1.0575	240	0.3515	291	-0.8405
190	0.1945	241	-0.5415	292	-0.2995
191	-0.2235	242	-0.5115	325	0.6445
192	-0.2325	244	-0.2285	326	0.7305
193	-0.2335	245	0.0745	327	0.8205
194	-0.2485	246	0.1405	328	0.9545
195	-0.2095	247	0.1635	329	1.0895
196	-0.2755	248	0.1485	330	1.1575
197	-0.2505	249	0.1195	331	1.1745
198	-0.2555	250	-0.0625	332	1.1825
199	-0.2605	251	-0.2495	333	1.1825
200	-0.2255	252	-0.3675	334	1.1845
201	-0.2405	253	0.5305	335	1.1825
202	-0.2435	254	0.3485	336	1.1875
203	-0.2465	255	-0.3595	337	1.1875
204	-0.2355	256	-0.3435	338	1.1855
205	-0.0815	257	-0.2845	339	1.1855
206	-0.0275	258	-0.0565	340	1.1855
207	-0.0405	259	0.1635	341	1.1835
208	0.1105	260	0.2155	350	-0.1915
210	0.6475	261	0.2085	351	-0.1855
211	0.4575	262	0.1515	352	-0.2065
212	0.2695	263	-0.1775	353	-0.2115
213	-0.4955	264	-0.2595	354	-0.2235
214	-0.4795	265	-0.2495	355	-0.2405
215	-0.4775	266	-0.2075		
216	-0.4145	267	-0.2485		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 69
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 4.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.802
TUNNEL DYNAMIC PRESSURE(PSF) = 614.
TUNNEL STAGNATION PRESSURE(PSF) = 2083.
TUNNEL STATIC PRESSURE(PSF) = 1364.
REYNOLDS NUMBER PER FOOT = 4.0160E 06
MODEL ANGLE OF ATTACK(DEG) = -8.09
FIN ANGLE(DEG) = -0.15
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 545.

SCANIVALE	CP(REF)
147	0.6545
247	0.6555
347	0.6565
447	0.6565
547	0.6465
647	0.6475
747	0.6485

ORF	CP	ORF	CP	ORF	CP
1	0.2045	52	-0.1185	102	-0.5085
2	-0.0755	53	-0.4515	103	-0.6385
3	-0.0085	54	-0.3985	104	-0.5995
4	0.0755	55	0.3815	105	-0.5065
5	0.1065	56	0.3005	110	-0.0465
6	0.1255	57	0.2565	111	-0.0695
7	0.1305	58	0.2075	112	-0.0455
8	0.1275	59	0.1535	113	-0.0855
9	0.1165	60	0.1005	114	-0.1475
10	0.0985	61	0.0275	115	0.0115
11	0.0765	62	-0.0505	116	0.0475
12	0.0405	63	-0.1795	117	0.0475
13	-0.0215	64	-0.5025	118	-0.0105
14	-0.2515	65	-0.4565	119	-0.0135
15	-0.3585	66	0.3585	120	-0.0255
16	0.2055	67	0.2685	121	-0.0265
17	0.1855	68	0.2065	122	-0.1405
18	0.1805	69	0.1475	123	-0.1445
19	0.1765	70	0.0885	124	-0.0715
20	0.1715	71	0.0135	125	-0.0615
21	0.1655	72	-0.0855	126	-0.0395
22	0.1485	73	-0.2475	127	-0.0425
23	0.1285	74	-0.4595	128	-0.1505
24	0.1025	75	0.3295	129	-0.0645
25	0.0785	76	0.2265	135	-0.0015
26	0.0305	77	0.1455	136	-0.0085
27	-0.0515	78	0.0695	137	-0.0035
28	-0.2685	79	-0.0195	138	0.0725
29	-0.3935	80	-0.1335	139	0.0745
30	0.3055	81	-0.3575	140	0.0805
32	0.2455	82	-0.4205	141	0.1135
33	0.2185	83	0.2465	142	0.1145
34	0.1935	84	0.1525	143	0.1135
35	0.1705	85	0.0505	145	-0.0175
36	0.1485	86	-0.0425	147	0.1115
37	0.1145	87	-0.1475	151	0.1485
38	0.0755	88	-0.2975	152	-0.0695
39	0.0225	89	-0.3815	153	-0.1075
40	-0.0655	90	0.1305	154	-0.2005
41	-0.2575	91	-0.0305	155	0.2425
42	-0.4075	92	-0.1185	156	0.1945
43	0.3795	93	-0.1895	157	-0.0315
44	0.3055	94	-0.2605	158	0.4915
45	0.2685	95	-0.3355	159	0.3415
46	0.2355	96	-0.7535	160	0.2575
47	0.1955	97	-0.7085	161	0.0905
48	0.1565	98	-0.7675	162	0.4535
49	0.1125	99	-0.6655	163	0.3595
50	0.0585	100	-0.5835	164	0.0715
51	-0.0165	101	-0.5675	165	0.0105

ORF	CP	ORF	CP	ORF	CP
166	0.5055	217	-0.2485	268	-0.3975
167	0.3355	218	-0.0245	269	-0.2185
168	0.2685	219	0.0515	270	-0.1555
169	0.0835	220	0.0205	271	-0.5045
170	0.4295	221	-0.1865	272	-0.5115
171	0.1745	222	-0.1725	273	-0.1475
172	-0.0535	223	0.3005	274	-0.1095
173	0.0995	224	0.3725	275	0.3855
174	-0.0435	225	0.3565	276	0.4405
175	-0.2595	226	0.1485	277	0.2725
176	-0.3005	227	-0.6175	278	-0.5335
177	-0.1115	228	-0.6125	279	-0.4785
178	-0.2625	229	-0.6055	280	-0.2685
179	-0.1215	230	-0.5185	281	-0.0265
180	-0.2395	231	-0.1855	282	0.1055
181	0.2785	232	-0.0165	283	0.1095
182	0.4085	233	0.0455	284	0.1215
183	0.0295	234	0.0385	285	0.0175
184	0.1455	235	-0.0735	286	-0.5455
185	0.2645	236	0.0125	287	-0.4965
186	0.4075	237	0.2115	288	-0.0865
187	0.5175	238	0.2335	289	-0.1055
188	0.6635	239	0.4225	290	-0.2025
189	0.7315	240	0.2715	291	-0.6155
190	0.1275	241	-0.6955	292	-0.2385
191	-0.2005	242	-0.6705	325	0.4595
192	-0.2085	244	-0.3765	326	0.5345
193	-0.2155	245	-0.0685	327	0.6135
194	-0.2205	246	0.0185	328	0.7365
195	-0.1965	247	0.0535	329	0.8825
196	-0.2365	248	0.0515	330	1.0035
197	-0.2155	249	0.0345	331	1.1435
198	-0.2285	250	-0.0255	332	1.1755
199	-0.2335	251	-0.2085	333	1.1775
200	-0.2055	252	-0.3275	334	1.1765
201	-0.2115	253	0.4385	335	1.1785
202	-0.2135	254	0.2385	336	1.1825
203	-0.2145	255	-0.5675	337	1.1815
204	-0.2165	256	-0.5375	338	1.1825
205	0.1355	257	-0.4795	339	1.1815
206	0.1575	258	-0.2675	340	1.1835
207	0.1535	259	0.0025	341	1.1845
208	0.2035	260	0.0705	350	-0.1285
210	0.5615	261	0.0815	351	-0.1195
211	0.3785	262	0.0475	352	-0.0885
212	0.1875	263	-0.2475	353	-0.0635
213	-0.6105	264	-0.2995	354	-0.0625
214	-0.5955	265	-0.2475	355	-0.0825
215	-0.5875	266	-0.1935		
216	-0.5305	267	-0.3135		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 70
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 4.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.799
TUNNEL DYNAMIC PRESSURE(PSF) = 612.
TUNNEL STAGNATION PRESSURE(PSF) = 2086.
TUNNEL STATIC PRESSURE(PSF) = 1370.
REYNOLDS NUMBER PER FOOT = 4.0040E 06
MODEL ANGLE OF ATTACK(DEG) = -4.00
FIN ANGLE(DEG) = -0.04
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 547.

SCANIVALE	CP(REF)
147	0.6464
247	0.6464
347	0.6474
447	0.6484
547	0.6474
647	0.6474
747	0.6474

ORF	CP	ORF	CP	ORF	CP
1	0.0584	52	-0.1966	102	-0.5066
2	-0.1816	53	-0.5446	103	-0.6456
3	-0.1326	54	-0.4496	104	-0.6326
4	-0.0516	55	0.2324	105	-0.5296
5	-0.0126	56	0.1754	110	-0.0456
6	0.0024	57	0.1374	111	-0.0666
7	0.0074	58	0.0884	112	-0.0416
8	0.0094	59	0.0474	113	-0.0796
9	0.0034	60	-0.0016	114	-0.1066
10	-0.0096	61	-0.0556	115	0.0014
11	-0.0316	62	-0.1316	116	0.0494
12	-0.0586	63	-0.2506	117	0.0504
13	-0.1176	64	-0.6166	118	-0.0036
14	-0.3126	65	-0.5096	119	-0.0026
15	-0.4036	66	0.2074	120	-0.0066
16	0.0434	67	0.1334	121	-0.0036
17	0.0384	68	0.0854	122	-0.1226
18	0.0404	69	0.0424	123	-0.1096
19	0.0394	70	-0.0096	124	-0.0456
20	0.0384	71	-0.0786	125	-0.0336
21	0.0334	72	-0.1646	126	-0.0096
22	0.0254	73	-0.3166	127	-0.0186
23	0.0114	74	-0.5026	128	-0.1336
24	-0.0106	75	0.1854	129	-0.0416
25	-0.0356	76	0.1134	135	0.0184
26	-0.0696	77	0.0414	136	0.0094
27	-0.1456	78	-0.0276	137	0.0164
28	-0.3326	79	-0.1066	138	0.0944
29	-0.4396	80	-0.2086	139	0.0954
30	0.1514	81	-0.4246	140	0.0974
32	0.0974	82	-0.4676	141	0.1104
33	0.0804	83	0.1254	142	0.1124
34	0.0654	84	0.0374	143	0.1144
35	0.0474	85	-0.0446	145	0.0124
36	0.0314	86	-0.1236	147	0.1124
37	0.0044	87	-0.2166	151	0.0804
38	-0.0286	88	-0.3736	152	-0.1076
39	-0.0766	89	-0.4366	153	-0.1306
40	-0.1566	90	0.0114	154	-0.2196
41	-0.3306	91	-0.1056	155	0.2064
42	-0.4556	92	-0.1746	156	0.1614
43	0.2264	93	-0.2396	157	-0.0436
44	0.1614	94	-0.3436	158	0.4444
45	0.1364	95	-0.3596	159	0.3174
46	0.1064	96	-0.5066	160	0.2364
47	0.0764	97	-0.7406	161	0.0764
48	0.0424	98	-0.1296	162	0.4184
49	0.0074	99	-0.2036	163	0.3334
50	-0.0336	100	-0.4236	164	0.0924
51	-0.0996	101	-0.5666	165	0.0054

ORF	CP	ORF	CP	ORF	CP
166	0.4764	217	-0.2106	268	-0.3846
167	0.3114	218	-0.0476	269	-0.2126
168	0.2464	219	-0.0086	270	-0.1516
169	0.0824	220	-0.0386	271	-0.4996
170	0.3414	221	-0.2126	272	-0.4816
171	0.1464	222	-0.2466	273	-0.1516
172	-0.0576	223	0.2304	274	-0.1236
173	0.0384	224	0.3074	275	0.3264
174	-0.0556	225	0.2744	276	0.2824
175	-0.2546	226	0.0744	277	0.1294
176	-0.2766	227	-0.6906	278	-0.5646
177	-0.1586	228	-0.6946	279	-0.5496
178	-0.3186	229	-0.6656	280	-0.4136
179	-0.2136	230	-0.5176	281	-0.1306
180	-0.2336	231	-0.1806	282	-0.0016
181	0.3484	232	-0.0636	283	0.0004
182	0.4714	233	-0.0206	284	0.0144
183	0.1814	234	-0.0256	285	-0.0706
184	0.3354	235	-0.1266	286	-0.5316
185	0.4544	236	-0.0416	287	-0.4886
186	0.6304	237	0.1574	288	-0.0966
187	0.7784	238	0.1454	289	-0.1106
188	0.9124	239	0.3304	290	-0.1966
189	0.9944	240	0.1804	291	-0.5156
190	0.1534	241	-0.7096	292	-0.1556
191	-0.2076	242	-0.6856	325	0.3954
192	-0.1986	244	-0.3986	326	0.4464
193	-0.1976	245	-0.1186	327	0.4824
194	-0.1996	246	-0.0456	328	0.5704
195	-0.1966	247	-0.0226	329	0.6674
196	-0.2226	248	-0.0206	330	0.7584
197	-0.2046	249	-0.0256	331	0.9414
198	-0.2096	250	-0.0066	332	1.0554
199	-0.2126	251	-0.1896	333	1.1214
200	-0.1976	252	-0.2966	334	1.1734
201	-0.1966	253	0.2634	335	1.1784
202	-0.2016	254	0.0894	336	1.1834
203	-0.1946	255	-0.5846	337	1.1834
204	-0.1986	256	-0.5396	338	1.1834
205	0.1754	257	-0.4636	339	1.1834
206	0.2064	258	-0.2416	340	1.1844
207	0.2054	259	-0.0606	341	1.1844
208	0.2114	260	-0.0256	350	-0.0456
210	0.4774	261	-0.0116	351	-0.0696
211	0.3344	262	-0.0406	352	-0.0386
212	0.1364	263	-0.2846	353	-0.0076
213	-0.7366	264	-0.3016	354	-0.0076
214	-0.7136	265	-0.2416	355	-0.0306
215	-0.6846	266	-0.1936		
216	-0.5586	267	-0.3426		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 71
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 4.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.800
TUNNEL DYNAMIC PRESSURE(PSF) = 617.
TUNNEL STAGNATION PRESSURE(PSF) = 2100.
TUNNEL STATIC PRESSURE(PSF) = 1378.
REYNOLDS NUMBER PER FOOT = 4.0080E 06
MODEL ANGLE OF ATTACK(DEG) = 0.11
FIN ANGLE(DEG) = -0.23
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 549.

SCANIVALE	CP(REF)
147	0.6306
247	0.6306
347	0.6326
447	0.6316
547	0.6296
647	0.6316
747	0.6316

ORF	CP	ORF	CP	ORF	CP
1	-0.0324	52	-0.2784	102	-0.5234
2	-0.3734	53	-0.6024	103	-0.6344
3	-0.3564	54	-0.4994	104	-0.6154
4	-0.2384	55	0.0366	105	-0.5224
5	-0.1544	56	0.0066	110	-0.0504
6	-0.1074	57	-0.0184	111	-0.0814
7	-0.0934	58	-0.0464	112	-0.0434
8	-0.0864	59	-0.0734	113	-0.0924
9	-0.0854	60	-0.1124	114	-0.0924
10	-0.1034	61	-0.1594	115	-0.0124
11	-0.1134	62	-0.2164	116	0.0516
12	-0.1394	63	-0.3314	117	0.0556
13	-0.1904	64	-0.7364	118	0.0086
14	-0.3824	65	-0.5614	119	0.0106
15	-0.4674	66	0.0196	120	-0.0014
16	-0.1534	67	-0.0194	121	0.0066
17	-0.1564	68	-0.0464	122	-0.0934
18	-0.1184	69	-0.0774	123	-0.0934
19	-0.0934	70	-0.1234	124	-0.0224
20	-0.0824	71	-0.1744	125	-0.0174
21	-0.0704	72	-0.2464	126	0.0056
22	-0.0754	73	-0.3834	127	-0.0054
23	-0.0844	74	-0.5544	128	-0.1004
24	-0.1034	75	-0.0044	129	-0.0254
25	-0.1164	76	-0.0414	135	0.0236
26	-0.1554	77	-0.0934	136	0.0226
27	-0.2244	78	-0.1424	137	0.0246
28	-0.4074	79	-0.1974	138	0.0996
29	-0.4934	80	-0.2834	139	0.1006
30	-0.0474	81	-0.4824	140	0.1026
32	-0.0474	82	-0.5044	141	0.1076
33	-0.0494	83	-0.0344	142	0.1136
34	-0.0554	84	-0.0914	143	0.1076
35	-0.0644	85	-0.1484	145	0.0186
36	-0.0714	86	-0.2084	147	0.1096
37	-0.0934	87	-0.2824	151	-0.0224
38	-0.1214	88	-0.4304	152	-0.1524
39	-0.1614	89	-0.4734	153	-0.1854
40	-0.2394	90	-0.1234	154	-0.2344
41	-0.4054	91	-0.1644	155	0.1466
42	-0.5034	92	-0.2074	156	0.0846
43	0.0296	93	-0.2714	157	-0.0874
44	0.0016	94	-0.3674	158	0.3796
45	-0.0104	95	-0.3724	159	0.2336
46	-0.0274	96	-0.3654	160	0.1606
47	-0.0494	97	-0.7284	161	0.0326
48	-0.0714	98	-0.0584	162	0.3176
49	-0.0994	99	-0.1164	163	0.2466
50	-0.1324	100	-0.4254	164	0.0976
51	-0.1874	101	-0.5844	165	-0.0374

ORF	CP	ORF	CP	ORF	CP
166	0.3806	217	-0.1364	268	-0.3824
167	0.2296	218	-0.0814	269	-0.1874
168	0.1776	219	-0.0754	270	-0.1314
169	0.0336	220	-0.0974	271	-0.5244
170	0.2666	221	-0.2414	272	-0.5004
171	0.0906	222	-0.2844	273	-0.1304
172	-0.0844	223	0.1366	274	-0.1174
173	-0.0314	224	0.2226	275	0.2906
174	-0.0894	225	0.1856	276	0.2596
175	-0.2524	226	0.0066	277	0.0756
176	-0.2664	227	-0.6784	278	-0.7754
177	-0.2284	228	-0.6274	279	-0.7454
178	-0.3974	229	-0.5624	280	-0.6344
179	-0.2874	230	-0.3464	281	-0.4194
180	-0.2234	231	-0.1414	282	-0.1454
181	0.2746	232	-0.0974	283	-0.0894
182	0.3606	233	-0.0814	284	-0.0694
183	0.4226	234	-0.0854	285	-0.1394
184	0.6226	235	-0.1824	286	-0.5464
185	0.6926	236	-0.1034	287	-0.5214
186	0.7646	237	0.0886	288	-0.1044
187	0.8186	238	0.0526	289	-0.1114
188	0.8486	239	0.1916	290	-0.1844
189	0.9196	240	0.0586	291	-0.5704
190	0.1806	241	-0.6304	292	-0.1004
191	-0.2034	242	-0.5944	325	0.2706
192	-0.1964	244	-0.2894	326	0.2916
193	-0.1934	245	-0.1384	327	0.3156
194	-0.1964	246	-0.1044	328	0.3176
195	-0.1974	247	-0.0904	329	0.3436
196	-0.2114	248	-0.0904	330	0.3776
197	-0.1974	249	-0.0974	331	0.4816
198	-0.2014	250	-0.0044	332	0.6036
199	-0.2054	251	-0.1934	333	0.7266
200	-0.1994	252	-0.2674	334	0.8716
201	-0.1974	253	0.2116	335	0.9766
202	-0.1914	254	0.0346	336	1.0676
203	-0.1984	255	-0.6854	337	1.1096
204	-0.1914	256	-0.6664	338	1.1506
205	0.1756	257	-0.6144	339	1.1666
206	0.1976	258	-0.4444	340	1.1756
207	0.1976	259	-0.1574	341	1.1786
208	0.1986	260	-0.0844	350	-0.0274
210	0.2956	261	-0.0774	351	-0.0214
211	0.2366	262	-0.0964	352	0.0216
212	0.0656	263	-0.3254	353	0.0566
213	-0.7884	264	-0.2964	354	0.0546
214	-0.6684	265	-0.2244	355	0.0206
215	-0.5844	266	-0.1834		
216	-0.3384	267	-0.3884		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 72
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 4.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.799
TUNNEL DYNAMIC PRESSURE(PSF) = 618.
TUNNEL STAGNATION PRESSURE(PSF) = 2106.
TUNNEL STATIC PRESSURE(PSF) = 1382.
REYNOLDS NUMBER PER FOOT = 4.0120E 06
MODEL ANGLE OF ATTACK(DEG) = 4.05
FIN ANGLE(DEG) = -0.41
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 550.

SCANIVALE	CP(REF)
147	0.6198
247	0.6198
347	0.6208
447	0.6218
547	0.6008
647	0.6028
747	0.6028

ORF	CP	ORF	CP	ORF	CP
1	-0.1122	52	-0.3472	102	-0.5132
2	-0.3852	53	-0.6112	103	-0.6602
3	-0.3632	54	-0.5262	104	-0.6322
4	-0.2682	55	-0.2032	105	-0.5352
5	-0.2132	56	-0.1512	110	-0.0732
6	-0.1882	57	-0.1582	111	-0.1162
7	-0.1762	58	-0.1782	112	-0.0782
8	-0.1702	59	-0.1962	113	-0.1392
9	-0.1662	60	-0.2142	114	-0.1342
10	-0.1772	61	-0.2552	115	-0.0542
11	-0.1912	62	-0.2972	116	0.0428
12	-0.2152	63	-0.3962	117	0.0448
13	-0.2512	64	-0.6952	118	-0.0242
14	-0.4162	65	-0.5942	119	-0.0212
15	-0.4762	66	-0.3932	120	-0.0242
16	-0.2272	67	-0.1962	121	-0.0242
17	-0.2322	68	-0.1812	122	-0.1072
18	-0.2102	69	-0.2092	123	-0.1362
19	-0.1892	70	-0.2322	124	-0.0592
20	-0.1742	71	-0.2712	125	-0.0462
21	-0.1682	72	-0.3282	126	-0.0232
22	-0.1672	73	-0.4552	127	-0.0352
23	-0.1722	74	-0.5792	128	-0.1122
24	-0.1842	75	-0.4702	129	-0.0492
25	-0.2032	76	-0.2672	135	-0.0042
26	-0.2362	77	-0.2222	136	-0.0142
27	-0.2932	78	-0.2402	137	-0.0102
28	-0.4392	79	-0.2742	138	0.0708
29	-0.5012	80	-0.3442	139	0.0728
30	-0.1752	81	-0.5322	140	0.0768
32	-0.1722	82	-0.5282	141	0.0818
33	-0.1682	83	-0.4442	142	0.0868
34	-0.1692	84	-0.3242	143	0.0848
35	-0.1732	85	-0.2372	145	-0.0162
36	-0.1752	86	-0.2622	147	0.0798
37	-0.1932	87	-0.3232	151	-0.0522
38	-0.2102	88	-0.4682	152	-0.1662
39	-0.2562	89	-0.4792	153	-0.1952
40	-0.3152	90	-0.5212	154	-0.2382
41	-0.4532	91	-0.3022	155	0.1048
42	-0.5212	92	-0.2572	156	0.0398
43	-0.1542	93	-0.2992	157	-0.1092
44	-0.1492	94	-0.3872	158	0.2728
45	-0.1482	95	-0.3952	159	0.1518
46	-0.1552	96	-0.2422	160	0.0798
47	-0.1662	97	-0.6492	161	-0.0312
48	-0.1782	98	-0.0102	162	0.1998
49	-0.1982	99	-0.0542	163	0.1618
50	-0.2262	100	-0.3882	164	0.0678
51	-0.2682	101	-0.5692	165	-0.0782

ORF	CP	ORF	CP	ORF	CP
166	0.2798	217	-0.1882	268	-0.3862
167	0.1588	218	-0.1502	269	-0.2042
168	0.1088	219	-0.1432	270	-0.1662
169	-0.0182	220	-0.1602	271	-0.5372
170	0.2108	221	-0.2842	272	-0.4182
171	0.0448	222	-0.3032	273	-0.1652
172	-0.1082	223	0.0488	274	-0.1872
173	-0.0562	224	0.1128	275	0.1478
174	-0.1302	225	0.1038	276	0.1388
175	-0.2712	226	-0.0512	277	-0.0302
176	-0.2732	227	-0.6992	278	-0.8032
177	-0.2492	228	-0.6462	279	-0.7552
178	-0.3932	229	-0.5552	280	-0.6192
179	-0.2832	230	-0.3412	281	-0.3962
180	-0.2392	231	-0.1932	282	-0.2252
181	0.1328	232	-0.1602	283	-0.2002
182	0.2648	233	-0.1512	284	-0.1752
183	0.4168	234	-0.1492	285	-0.2262
184	0.6138	235	-0.2242	286	-0.5732
185	0.6668	236	-0.1532	287	-0.4922
186	0.7318	237	0.0238	288	-0.1772
187	0.8798	238	-0.0132	289	-0.1742
188	1.0048	239	0.0988	290	-0.2062
189	1.0668	240	-0.0192	291	-0.6942
190	0.2568	241	-0.7112	292	-0.0672
191	-0.2172	242	-0.6582	325	0.2218
192	-0.2092	244	-0.3442	326	0.2528
193	-0.2122	245	-0.2152	327	0.2698
194	-0.2112	246	-0.1832	328	0.2808
195	-0.2192	247	-0.1642	329	0.3268
196	-0.2242	248	-0.1542	330	0.3628
197	-0.2182	249	-0.1542	331	0.5038
198	-0.2142	250	-0.0262	332	0.6128
199	-0.2162	251	-0.2102	333	0.6878
200	-0.2222	252	-0.2962	334	0.7948
201	-0.2132	253	0.1498	335	0.8608
202	-0.2062	254	-0.0192	336	0.9008
203	-0.2042	255	-0.7892	337	0.9478
204	-0.2102	256	-0.7552	338	0.9758
205	0.1018	257	-0.6722	339	1.0138
206	0.1228	258	-0.4722	340	1.0518
207	0.1148	259	-0.2282	341	1.0738
208	0.1008	260	-0.1812	350	0.0158
210	0.1318	261	-0.1712	351	0.0398
211	0.1298	262	-0.1792	352	0.0758
212	-0.0152	263	-0.3742	353	0.0768
213	-0.7132	264	-0.3222	354	0.0798
214	-0.5502	265	-0.2442	355	0.0398
215	-0.4572	266	-0.2042		
216	-0.2582	267	-0.4392		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 73
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 4.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.799
TUNNEL DYNAMIC PRESSURE(PSF) = 619.
TUNNEL STAGNATION PRESSURE(PSF) = 2108.
TUNNEL STATIC PRESSURE(PSF) = 1384.
REYNOLDS NUMBER PER FOOT = 4.0080E 06
MODEL ANGLE OF ATTACK(DEG) = 7.94
FIN ANGLE(DEG) = -0.42
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 551.

SCANIVALE	CP(REF)
147	0.6171
247	0.6171
347	0.6181
447	0.6181
547	0.6291
647	0.6311
747	0.6311

ORF	CP	ORF	CP	ORF	CP
1	-0.1809	52	-0.4039	102	-0.5159
2	-0.4049	53	-0.5489	103	-0.6519
3	-0.3839	54	-0.5029	104	-0.6229
4	-0.2989	55	-0.6569	105	-0.5129
5	-0.2649	56	-0.3519	110	-0.0379
6	-0.2419	57	-0.2529	111	-0.0859
7	-0.2299	58	-0.2539	112	-0.0399
8	-0.2249	59	-0.2719	113	-0.1219
9	-0.2249	60	-0.2969	114	-0.1329
10	-0.2309	61	-0.3309	115	-0.0269
11	-0.2389	62	-0.3649	116	0.0951
12	-0.2539	63	-0.4349	117	0.0811
13	-0.2969	64	-0.5999	118	-0.0039
14	-0.4409	65	-0.5689	119	-0.0139
15	-0.4929	66	-0.7679	120	0.0041
16	-0.2759	67	-0.6509	121	-0.0169
17	-0.2669	68	-0.4199	122	-0.0749
18	-0.2519	69	-0.2949	123	-0.1369
19	-0.2419	70	-0.2909	124	-0.0509
20	-0.2309	71	-0.3129	125	-0.0299
21	-0.2309	72	-0.3589	126	-0.0139
22	-0.2259	73	-0.4559	127	-0.0209
23	-0.2329	74	-0.5199	128	-0.0789
24	-0.2459	75	-0.7629	129	-0.0169
25	-0.2529	76	-0.7619	135	0.0081
26	-0.2809	77	-0.6379	136	0.0021
27	-0.3319	78	-0.4779	137	0.0101
28	-0.4569	79	-0.3539	138	0.0911
29	-0.5129	80	-0.3419	139	0.0901
30	-0.2489	81	-0.4519	140	0.0941
32	-0.2399	82	-0.4559	141	0.1081
33	-0.2429	83	-0.6749	142	0.1081
34	-0.2369	84	-0.7709	143	0.1081
35	-0.2359	85	-0.7159	145	0.0001
36	-0.2429	86	-0.5889	147	0.1111
37	-0.2589	87	-0.4539	151	-0.0389
38	-0.2739	88	-0.4259	152	-0.1779
39	-0.3029	89	-0.4259	153	-0.1829
40	-0.3529	90	-0.7039	154	-0.2439
41	-0.4609	91	-0.6899	155	0.0411
42	-0.5139	92	-0.6839	156	0.0271
43	-0.3109	93	-0.6019	157	-0.1209
44	-0.2439	94	-0.4969	158	0.2431
45	-0.2479	95	-0.4019	159	0.1381
46	-0.2489	96	-0.2759	160	0.0691
47	-0.2609	97	-0.5989	161	-0.0399
48	-0.2689	98	0.0421	162	0.1931
49	-0.2859	99	0.0021	163	0.1311
50	-0.3049	100	-0.3889	164	0.0881
51	-0.3439	101	-0.5669	165	-0.0869

ORF	CP	ORF	CP	ORF	CP
166	0.2391	217	-0.2099	268	-0.3199
167	0.1571	218	-0.1659	269	-0.1969
168	0.1001	219	-0.1559	270	-0.1549
169	-0.0179	220	-0.1719	271	-0.5179
170	0.1931	221	-0.2659	272	-0.3749
171	0.0541	222	-0.2779	273	-0.1629
172	-0.1049	223	0.0631	274	-0.1809
173	-0.0459	224	0.1161	275	0.1141
174	-0.1259	225	0.1001	276	0.0911
175	-0.2589	226	-0.0469	277	-0.0749
176	-0.2919	227	-0.7649	278	-0.7659
177	-0.2409	228	-0.6859	279	-0.7029
178	-0.3599	229	-0.5919	280	-0.5429
179	-0.2849	230	-0.3659	281	-0.3579
180	-0.2299	231	-0.2139	282	-0.2289
181	-0.0629	232	-0.1739	283	-0.2249
182	0.0601	233	-0.1629	284	-0.1999
183	0.3231	234	-0.1539	285	-0.2419
184	0.4501	235	-0.2109	286	-0.5419
185	0.5121	236	-0.1099	287	-0.4369
186	0.5591	237	0.0481	288	-0.1809
187	0.6601	238	0.0351	289	-0.1649
188	0.7591	239	0.1021	290	-0.1919
189	0.8701	240	-0.0169	291	-0.5959
190	0.2511	241	-0.7559	292	0.0691
191	-0.2159	242	-0.7019	325	0.2511
192	-0.2039	244	-0.4039	326	0.3021
193	-0.2009	245	-0.2449	327	0.3331
194	-0.2049	246	-0.2089	328	0.3961
195	-0.2149	247	-0.1949	329	0.4291
196	-0.2159	248	-0.1699	330	0.4691
197	-0.2079	249	-0.1559	331	0.6211
198	-0.2169	250	0.0071	332	0.6921
199	-0.2119	251	-0.1759	333	0.7371
200	-0.2149	252	-0.2499	334	0.7711
201	-0.2099	253	0.0861	335	0.8071
202	-0.2059	254	-0.0699	336	0.8651
203	-0.2169	255	-0.7899	337	0.9621
204	-0.2119	256	-0.7269	338	1.0631
205	0.0971	257	-0.6549	339	1.1181
206	0.1301	258	-0.4289	340	1.1491
207	0.1021	259	-0.2519	341	1.1531
208	0.0931	260	-0.2199	350	0.1281
210	0.1071	261	-0.2019	351	0.1471
211	0.1221	262	-0.2069	352	0.1661
212	-0.0239	263	-0.3809	353	0.1721
213	-0.7369	264	-0.3109	354	0.1591
214	-0.5239	265	-0.2199	355	0.1181
215	-0.4219	266	-0.1789		
216	-0.2779	267	-0.4219		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 74
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 4.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.798
TUNNEL DYNAMIC PRESSURE(PSF) = 619.
TUNNEL STAGNATION PRESSURE(PSF) = 2113.
TUNNEL STATIC PRESSURE(PSF) = 1389.
REYNOLDS NUMBER PER FOOT = 4.0040E 06
MODEL ANGLE OF ATTACK(DEG) = 14.17
FIN ANGLE(DEG) = -0.31
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 552.

SCANIVALE	CP(REF)
147	0.6101
247	0.6101
347	0.6111
447	0.6111
547	0.6011
647	0.6021
747	0.6021

ORF	CP	ORF	CP	ORF	CP
1	-0.3389	52	-0.4169	102	-0.5259
2	-0.5899	53	-0.5689	103	-0.7059
3	-0.5529	54	-0.5269	104	-0.6539
4	-0.4399	55	-0.7789	105	-0.5749
5	-0.3479	56	-0.5869	110	-0.0179
6	-0.3179	57	-0.4169	111	-0.0749
7	-0.3009	58	-0.3509	112	-0.0389
8	-0.2969	59	-0.3369	113	-0.1419
9	-0.2909	60	-0.3389	114	-0.2339
10	-0.2949	61	-0.3729	115	-0.0019
11	-0.2989	62	-0.4009	116	0.1191
12	-0.3159	63	-0.4609	117	0.0931
13	-0.3539	64	-0.6219	118	-0.0299
14	-0.4819	65	-0.5989	119	-0.0339
15	-0.5149	66	-0.9169	120	-0.0339
16	-0.4769	67	-0.8069	121	-0.0929
17	-0.4149	68	-0.5759	122	-0.1299
18	-0.3789	69	-0.4489	123	-0.2349
19	-0.3539	70	-0.3989	124	-0.1179
20	-0.3229	71	-0.3929	125	-0.0979
21	-0.3059	72	-0.4329	126	-0.0809
22	-0.3079	73	-0.5059	127	-0.0899
23	-0.3089	74	-0.5529	128	-0.1439
24	-0.3119	75	-0.9869	129	-0.0229
25	-0.3179	76	-1.0039	135	-0.0559
26	-0.3419	77	-0.8929	136	-0.0679
27	-0.3809	78	-0.6369	137	-0.0509
28	-0.4909	79	-0.4899	138	0.0521
29	-0.5259	80	-0.4189	139	0.0471
30	-0.4609	81	-0.4429	140	0.0551
32	-0.3309	82	-0.4449	141	0.0901
33	-0.3049	83	-0.8729	142	0.1021
34	-0.3049	84	-1.0429	143	0.0941
35	-0.2969	85	-1.0039	145	-0.0699
36	-0.2989	86	-0.7959	147	0.1001
37	-0.3129	87	-0.6059	151	0.0021
38	-0.3239	88	-0.4079	152	-0.1709
39	-0.3419	89	-0.3889	153	-0.2139
40	-0.3869	90	-0.9059	154	-0.2749
41	-0.4829	91	-0.8869	155	0.1001
42	-0.5309	92	-0.8639	156	0.0631
43	-0.5469	93	-0.7659	157	-0.1189
44	-0.3859	94	-0.6039	158	0.3151
45	-0.3119	95	-0.4579	159	0.2191
46	-0.2959	96	-0.4449	160	0.1291
47	-0.2959	97	-0.6539	161	0.0031
48	-0.2989	98	0.0521	162	0.2401
49	-0.3149	99	0.0381	163	0.1791
50	-0.3429	100	-0.3819	164	0.0481
51	-0.3769	101	-0.5819	165	-0.0809

ORF	CP	ORF	CP	ORF	CP
166	0.2781	217	-0.3119	268	-0.3739
167	0.1971	218	-0.2589	269	-0.2309
168	0.1341	219	-0.2349	270	-0.1849
169	-0.0169	220	-0.2299	271	-0.5439
170	0.2361	221	-0.3049	272	-0.3949
171	0.0821	222	-0.3139	273	-0.2069
172	-0.1159	223	0.0691	274	-0.2039
173	-0.0169	224	0.1301	275	0.0951
174	-0.1259	225	0.0881	276	-0.0389
175	-0.2919	226	-0.0819	277	-0.1999
176	-0.3369	227	-1.0039	278	-0.9459
177	-0.2409	228	-0.8979	279	-0.8479
178	-0.3439	229	-0.8269	280	-0.8009
179	-0.2639	230	-0.5799	281	-0.5809
180	-0.2769	231	-0.3429	282	-0.3599
181	0.0621	232	-0.2759	283	-0.2999
182	0.2461	233	-0.2409	284	-0.2749
183	0.7151	234	-0.2129	285	-0.3239
184	0.8661	235	-0.2659	286	-0.5679
185	0.8731	236	-0.1099	287	-0.4789
186	0.9671	237	0.0741	288	-0.2079
187	1.1031	238	0.0671	289	-0.1969
188	1.1671	239	0.0461	290	-0.2229
189	1.1661	240	-0.0919	291	-0.5009
190	0.3731	241	-0.8849	292	0.1561
191	-0.2439	242	-0.8649	325	0.2661
192	-0.2199	244	-0.5729	326	0.3481
193	-0.2029	245	-0.3609	327	0.4231
194	-0.2009	246	-0.2919	328	0.4561
195	-0.2269	247	-0.2679	329	0.5511
196	-0.2349	248	-0.2429	330	0.6511
197	-0.2229	249	-0.1999	331	0.7311
198	-0.2209	250	-0.0219	332	0.8061
199	-0.2219	251	-0.1939	333	0.8481
200	-0.2299	252	-0.2639	334	0.8541
201	-0.2139	253	-0.0579	335	0.7951
202	-0.2209	254	-0.2189	336	0.7381
203	-0.2249	255	-0.8369	337	0.7011
204	-0.2269	256	-0.7969	338	0.6581
205	-0.0519	257	-0.7499	339	0.6831
206	-0.0029	258	-0.5589	340	0.7621
207	-0.0509	259	-0.3579	341	0.8821
208	-0.0829	260	-0.3139	350	0.2121
210	0.0241	261	-0.2899	351	0.2071
211	0.1121	262	-0.2889	352	0.2151
212	-0.0399	263	-0.4279	353	0.2211
213	-0.9469	264	-0.3729	354	0.1781
214	-0.7059	265	-0.2529	355	0.1521
215	-0.5809	266	-0.2069		
216	-0.4039	267	-0.4679		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 75
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 4.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.802
TUNNEL DYNAMIC PRESSURE(PSF) = 621.
TUNNEL STAGNATION PRESSURE(PSF) = 2109.
TUNNEL STATIC PRESSURE(PSF) = 1381.
REYNOLDS NUMBER PER FOOT = 4.0010E 06
MODEL ANGLE OF ATTACK(DEG) = 0.11
FIN ANGLE(DEG) = -0.19
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 552.

SCANIVALE	CP(REF)
147	0.6182
247	0.6172
347	0.6192
447	0.6192
547	0.6262
647	0.6282
747	0.6272

ORF	CP	ORF	CP	ORF	CP
1	-0.0318	52	-0.2768	102	-0.5178
2	-0.3658	53	-0.5968	103	-0.6218
3	-0.3638	54	-0.4908	104	-0.6128
4	-0.2328	55	0.0412	105	-0.5148
5	-0.1408	56	0.0122	110	-0.0298
6	-0.1008	57	-0.0108	111	-0.0628
7	-0.0888	58	-0.0388	112	-0.0298
8	-0.0858	59	-0.0708	113	-0.0768
9	-0.0888	60	-0.1038	114	-0.0838
10	-0.0998	61	-0.1568	115	0.0032
11	-0.1108	62	-0.2078	116	0.0602
12	-0.1338	63	-0.3228	117	0.0672
13	-0.1798	64	-0.7178	118	0.0222
14	-0.3688	65	-0.5458	119	0.0252
15	-0.4618	66	0.0232	120	0.0072
16	-0.1458	67	-0.0108	121	0.0222
17	-0.1378	68	-0.0378	122	-0.0878
18	-0.1088	69	-0.0738	123	-0.0828
19	-0.0808	70	-0.1138	124	-0.0068
20	-0.0698	71	-0.1648	125	0.0002
21	-0.0638	72	-0.2418	126	0.0202
22	-0.0658	73	-0.3808	127	0.0072
23	-0.0768	74	-0.5338	128	-0.0868
24	-0.0888	75	0.0112	129	-0.0178
25	-0.1148	76	-0.0298	135	0.0372
26	-0.1478	77	-0.0808	136	0.0352
27	-0.2168	78	-0.1288	137	0.0422
28	-0.3988	79	-0.1868	138	0.1142
29	-0.4808	80	-0.2738	139	0.1172
30	-0.0398	81	-0.4728	140	0.1132
32	-0.0328	82	-0.4888	141	0.1212
33	-0.0408	83	-0.0328	142	0.1252
34	-0.0428	84	-0.0978	143	0.1262
35	-0.0538	85	-0.1548	145	0.0312
36	-0.0618	86	-0.2058	147	0.1282
37	-0.0818	87	-0.2788	151	-0.0128
38	-0.1078	88	-0.4228	152	-0.1498
39	-0.1518	89	-0.4648	153	-0.1788
40	-0.2218	90	-0.1118	154	-0.2338
41	-0.3918	91	-0.1558	155	0.1602
42	-0.4898	92	-0.2058	156	0.0862
43	0.0282	93	-0.2648	157	-0.0818
44	0.0012	94	-0.3628	158	0.3882
45	-0.0158	95	-0.3738	159	0.2372
46	-0.0308	96	-0.3578	160	0.1642
47	-0.0478	97	-0.7188	161	0.0322
48	-0.0668	98	-0.0528	162	0.3232
49	-0.0968	99	-0.1098	163	0.2502
50	-0.1338	100	-0.4138	164	0.1132
51	-0.1908	101	-0.5628	165	-0.0248

ORF	CP	ORF	CP	ORF	CP
166	0.3832	217	-0.1198	268	-0.3788
167	0.2352	218	-0.0688	269	-0.1798
168	0.1822	219	-0.0588	270	-0.1208
169	0.0312	220	-0.0828	271	-0.5158
170	0.2642	221	-0.2408	272	-0.4718
171	0.0912	222	-0.2698	273	-0.1148
172	-0.0748	223	0.1392	274	-0.1108
173	-0.0238	224	0.2392	275	0.3052
174	-0.0918	225	0.2002	276	0.2762
175	-0.2508	226	0.0232	277	0.0862
176	-0.2528	227	-0.6698	278	-0.7588
177	-0.2338	228	-0.6168	279	-0.7298
178	-0.3908	229	-0.5458	280	-0.6198
179	-0.2788	230	-0.3178	281	-0.3938
180	-0.2128	231	-0.1298	282	-0.1268
181	0.2762	232	-0.0848	283	-0.0788
182	0.3732	233	-0.0668	284	-0.0588
183	0.4442	234	-0.0728	285	-0.1238
184	0.6482	235	-0.1648	286	-0.5248
185	0.7042	236	-0.0938	287	-0.5188
186	0.7792	237	0.1062	288	-0.0798
187	0.8252	238	0.0672	289	-0.0978
188	0.8812	239	0.2052	290	-0.1648
189	0.9032	240	0.0722	291	-0.5518
190	0.1872	241	-0.6188	292	-0.0828
191	-0.1908	242	-0.5938	325	0.2802
192	-0.1898	244	-0.2828	326	0.3042
193	-0.1948	245	-0.1248	327	0.3172
194	-0.1908	246	-0.0908	328	0.3242
195	-0.1908	247	-0.0718	329	0.3602
196	-0.2068	248	-0.0718	330	0.3762
197	-0.1918	249	-0.0828	331	0.4922
198	-0.1898	250	0.0112	332	0.6332
199	-0.1978	251	-0.1648	333	0.7082
200	-0.1798	252	-0.2538	334	0.8792
201	-0.1888	253	0.2302	335	0.9932
202	-0.1838	254	0.0552	336	1.0632
203	-0.1808	255	-0.6698	337	1.1282
204	-0.1828	256	-0.6468	338	1.1592
205	0.1902	257	-0.6158	339	1.1772
206	0.2112	258	-0.4288	340	1.1852
207	0.2072	259	-0.1398	341	1.1882
208	0.2122	260	-0.0708	350	-0.0338
210	0.3062	261	-0.0618	351	-0.0048
211	0.2542	262	-0.0798	352	0.0332
212	0.0872	263	-0.3118	353	0.0702
213	-0.7848	264	-0.2908	354	0.0642
214	-0.6578	265	-0.1998	355	0.0362
215	-0.5808	266	-0.1668		
216	-0.3158	267	-0.3768		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 76
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 5.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.998
TUNNEL DYNAMIC PRESSURE(PSF) = 732.
TUNNEL STAGNATION PRESSURE(PSF) = 1984.
TUNNEL STATIC PRESSURE(PSF) = 1051.
REYNOLDS NUMBER PER FOOT = 3.9950E 06
MODEL ANGLE OF ATTACK(DEG) = -14.36
FIN ANGLE(DEG) = -0.35
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 563.

SCANIVALE	CP(REF)
147	0.9762
247	0.9762
347	0.9762
447	0.9772
547	0.9762
647	0.9762
747	0.9772

ORF	CP	ORF	CP	ORF	CP
1	0.5202	52	0.1922	102	-0.5148
2	0.2802	53	-0.1078	103	-0.6958
3	0.3272	54	-0.0868	104	-0.6288
4	0.3852	55	0.6502	105	-0.5618
5	0.4192	56	0.5802	110	-0.0858
6	0.4292	57	0.5272	111	-0.1208
7	0.4292	58	0.4762	112	-0.0748
8	0.4262	59	0.4322	113	-0.1328
9	0.4112	60	0.3912	114	-0.2618
10	0.3972	61	0.3262	115	-0.0618
11	0.3742	62	0.2542	116	0.0502
12	0.3432	63	0.1402	117	0.0502
13	0.2912	64	-0.1978	118	-0.0198
14	0.0742	65	-0.1038	119	-0.0248
15	-0.0428	66	0.6282	120	-0.0438
16	0.5412	67	0.5522	121	-0.0508
17	0.5092	68	0.4882	122	-0.2188
18	0.4942	69	0.4312	123	-0.2578
19	0.4852	70	0.3762	124	-0.0988
20	0.4742	71	0.3072	125	-0.0758
21	0.4602	72	0.2162	126	-0.0378
22	0.4452	73	0.0722	127	-0.0618
23	0.4252	74	-0.1338	128	-0.2178
24	0.4022	75	0.5962	129	-0.1218
25	0.3742	76	0.5012	135	-0.0248
26	0.3312	77	0.4232	136	-0.0228
27	0.2592	78	0.3422	137	-0.0178
28	0.0682	79	0.2572	138	0.1082
29	-0.0648	80	0.1552	139	0.1172
30	0.6112	81	-0.0408	140	0.1192
32	0.5392	82	-0.1638	141	0.1742
33	0.5122	83	0.5032	142	0.1862
34	0.4882	84	0.4362	143	0.2012
35	0.4602	85	0.3242	145	-0.0228
36	0.4362	86	0.2172	147	0.1902
37	0.4032	87	0.1062	151	0.2832
38	0.3662	88	-0.0438	152	-0.0538
39	0.3182	89	-0.2088	153	-0.2188
40	0.2402	90	0.4162	154	-0.2308
41	0.0702	91	0.2262	155	0.2842
42	-0.0888	92	0.1112	156	0.2302
43	0.6592	93	0.0302	157	0.0152
44	0.5872	94	-0.0588	158	0.6512
45	0.5432	95	-0.2548	159	0.4132
46	0.5072	96	-0.6988	160	0.3222
47	0.4822	97	-0.3918	161	0.1792
48	0.4422	98	-0.9858	162	0.6012
49	0.4022	99	-0.7698	163	0.4462
50	0.3522	100	-0.5208	164	0.1112
51	0.2852	101	-0.5428	165	0.0982

ORF	CP	ORF	CP	ORF	CP
166	0.6682	217	-0.0098	268	-0.2968
167	0.4312	218	0.1942	269	-0.2828
168	0.3562	219	0.3032	270	-0.1818
169	0.1912	220	0.2642	271	-0.4208
170	0.5042	221	-0.0738	272	-0.4628
171	0.2892	222	0.0012	273	-0.1438
172	0.0292	223	0.4772	274	-0.1028
173	0.2492	224	0.5362	275	0.5562
174	0.0242	225	0.5742	276	0.6892
175	-0.2028	226	0.4072	277	0.5582
176	-0.4798	227	-0.3008	278	-0.2188
177	-0.0418	228	-0.3038	279	-0.0528
178	-0.1668	229	-0.2878	280	0.1102
179	-0.0408	230	-0.2248	281	0.3212
180	-0.3398	231	0.0222	282	0.4232
181	0.5502	232	0.2202	283	0.4172
182	0.6592	233	0.2992	284	0.4192
183	-0.0498	234	0.2782	285	0.3152
184	0.0672	235	0.1072	286	-0.5288
185	0.3072	236	0.1642	287	-0.3988
186	0.9512	237	0.3742	288	-0.0388
187	1.1422	238	0.4242	289	-0.0558
188	1.1182	239	0.6272	290	-0.3608
189	1.0062	240	0.5082	291	-0.8668
190	0.2692	241	-0.3418	292	-0.2198
191	-0.2748	242	-0.3158	325	0.6942
192	-0.2948	244	-0.0918	326	0.7662
193	-0.3028	245	0.1842	327	0.8632
194	-0.3168	246	0.2742	328	0.9652
195	-0.2618	247	0.3132	329	1.1182
196	-0.3468	248	0.3012	330	1.2062
197	-0.3128	249	0.2522	331	1.2642
198	-0.3288	250	-0.0438	332	1.2752
199	-0.3328	251	-0.2988	333	1.2762
200	-0.2858	252	-0.5958	334	1.2752
201	-0.2978	253	0.6652	335	1.2752
202	-0.3078	254	0.5052	336	1.2792
203	-0.3178	255	-0.1608	337	1.2782
204	-0.3048	256	-0.1498	338	1.2772
205	0.0582	257	-0.1108	339	1.2782
206	0.1282	258	0.0432	340	1.2772
207	0.0892	259	0.2762	341	1.2772
208	0.2322	260	0.3462	350	-0.0468
210	0.7582	261	0.3612	351	-0.0628
211	0.6212	262	0.3252	352	-0.0648
212	0.4622	263	0.0082	353	-0.0838
213	-0.2918	264	-0.1408	354	-0.0938
214	-0.2838	265	-0.3768	355	-0.1218
215	-0.2778	266	-0.3188		
216	-0.2368	267	-0.0798		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 77
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 5.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.998
TUNNEL DYNAMIC PRESSURE(PSF) = 733.
TUNNEL STAGNATION PRESSURE(PSF) = 1987.
TUNNEL STATIC PRESSURE(PSF) = 1052.
REYNOLDS NUMBER PER FOOT = 3.9990E 06
MODEL ANGLE OF ATTACK(DEG) = -8.14
FIN ANGLE(DEG) = -0.15
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 564.

SCANIVALE	CP(REF)
147	0.9718
247	0.9728
347	0.9728
447	0.9738
547	0.9668
647	0.9678
747	0.9678

ORF	CP	ORF	CP	ORF	CP
1	0.3578	52	0.1028	102	-0.5802
2	0.0858	53	-0.1822	103	-0.8202
3	0.1238	54	-0.2012	104	-0.7912
4	0.2008	55	0.4958	105	-0.6892
5	0.2318	56	0.4298	110	-0.0762
6	0.2548	57	0.3948	111	-0.1082
7	0.2638	58	0.3548	112	-0.0642
8	0.2618	59	0.3188	113	-0.1042
9	0.2618	60	0.2748	114	-0.1852
10	0.2518	61	0.2198	115	-0.0632
11	0.2348	62	0.1568	116	0.0258
12	0.2098	63	0.0578	117	0.0358
13	0.1648	64	-0.3892	118	-0.0112
14	-0.0272	65	-0.2712	119	-0.0162
15	-0.1512	66	0.4868	120	-0.0072
16	0.2988	67	0.4118	121	-0.0012
17	0.2838	68	0.3538	122	-0.1952
18	0.2938	69	0.3048	123	-0.1882
19	0.2908	70	0.2558	124	-0.0772
20	0.2958	71	0.2018	125	-0.0452
21	0.2938	72	0.1228	126	-0.0022
22	0.2868	73	-0.0022	127	-0.0312
23	0.2738	74	-0.3402	128	-0.2242
24	0.2608	75	0.4638	129	-0.1022
25	0.2398	76	0.3728	135	0.0048
26	0.2058	77	0.2998	136	0.0038
27	0.1428	78	0.2298	137	0.0038
28	-0.0262	79	0.1608	138	0.1108
29	-0.1752	80	0.0678	139	0.1208
30	0.3968	81	-0.1062	140	0.1228
32	0.3528	82	-0.3962	141	0.1428
33	0.3368	83	0.3818	142	0.1428
34	0.3248	84	0.3098	143	0.1468
35	0.3088	85	0.2068	145	0.0058
36	0.2938	86	0.1088	147	0.1428
37	0.2698	87	0.0128	151	0.1678
38	0.2418	88	-0.1222	152	-0.1432
39	0.2018	89	-0.4542	153	-0.3412
40	0.1358	90	0.2878	154	-0.2592
41	-0.0142	91	0.1078	155	0.1638
42	-0.1912	92	0.0168	156	0.1248
43	0.4828	93	-0.0622	157	-0.1122
44	0.4218	94	-0.1272	158	0.5308
45	0.3918	95	-0.4842	159	0.3098
46	0.3688	96	-0.6622	160	0.2178
47	0.3428	97	-0.4242	161	0.0868
48	0.3118	98	-0.6002	162	0.4938
49	0.2798	99	-0.5232	163	0.3498
50	0.2388	100	-0.6032	164	0.1198
51	0.1818	101	-0.6162	165	0.0238

ORF	CP	ORF	CP	ORF	CP
166	0.5488	217	-0.1072	268	-0.3812
167	0.3248	218	0.0828	269	-0.3352
168	0.2718	219	0.1968	270	-0.2412
169	0.1218	220	0.1668	271	-0.5072
170	0.3508	221	-0.1882	272	-0.5412
171	0.1878	222	-0.0662	273	-0.2082
172	-0.0462	223	0.3698	274	-0.1692
173	0.1408	224	0.4248	275	0.4488
174	-0.0622	225	0.4768	276	0.5518
175	-0.2582	226	0.3118	277	0.4148
176	-0.4392	227	-0.4272	278	-0.3452
177	-0.1442	228	-0.4242	279	-0.2452
178	-0.2632	229	-0.4072	280	-0.0862
179	-0.1502	230	-0.3242	281	0.1198
180	-0.3052	231	-0.0802	282	0.2318
181	0.3238	232	0.0998	283	0.2418
182	0.4408	233	0.1878	284	0.2648
183	0.0538	234	0.1738	285	0.1858
184	0.1608	235	0.0048	286	-0.6012
185	0.3178	236	0.0488	287	-0.3872
186	0.5068	237	0.2608	288	-0.1132
187	0.6088	238	0.2988	289	-0.1112
188	0.6928	239	0.5248	290	-0.3582
189	0.7388	240	0.4088	291	-0.9352
190	0.1818	241	-0.4832	292	-0.1522
191	-0.2652	242	-0.4532	325	0.5498
192	-0.2782	244	-0.2262	326	0.6078
193	-0.2722	245	0.0388	327	0.6708
194	-0.2842	246	0.1418	328	0.7668
195	-0.2592	247	0.1908	329	0.8878
196	-0.3012	248	0.1828	330	0.9988
197	-0.2772	249	0.1418	331	1.1748
198	-0.2902	250	-0.0162	332	1.2468
199	-0.2962	251	-0.2802	333	1.2588
200	-0.2612	252	-0.5602	334	1.2638
201	-0.2712	253	0.5498	335	1.2678
202	-0.2742	254	0.3888	336	1.2728
203	-0.2792	255	-0.3522	337	1.2738
204	-0.2762	256	-0.3272	338	1.2748
205	0.2568	257	-0.2872	339	1.2748
206	0.2828	258	-0.1252	340	1.2758
207	0.2808	259	0.1248	341	1.2768
208	0.3268	260	0.2028	350	-0.0062
210	0.6368	261	0.2308	351	0.0288
211	0.5218	262	0.2088	352	0.0398
212	0.3648	263	-0.0862	353	0.0878
213	-0.4242	264	-0.2112	354	0.0878
214	-0.4182	265	-0.4292	355	0.0638
215	-0.4022	266	-0.3642		
216	-0.3362	267	-0.1732		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 78
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 5.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.001
TUNNEL DYNAMIC PRESSURE(PSF) = 728.
TUNNEL STAGNATION PRESSURE(PSF) = 1968.
TUNNEL STATIC PRESSURE(PSF) = 1038.
REYNOLDS NUMBER PER FOOT = 3.9620E 06
MODEL ANGLE OF ATTACK(DEG) = -4.00
FIN ANGLE(DEG) = -0.06
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 564.

SCANIVALE	CP(REF)
147	1.0002
247	1.0002
347	1.0002
447	1.0012
547	1.0002
647	1.0002
747	1.0012

ORF	CP	ORF	CP	ORF	CP
1	0.1732	52	0.0242	102	-0.5328
2	-0.0408	53	-0.2288	103	-0.8428
3	-0.0158	54	-0.3338	104	-0.8128
4	0.0682	55	0.3452	105	-0.6948
5	0.1042	56	0.2972	110	-0.0678
6	0.1242	57	0.2732	111	-0.1058
7	0.1332	58	0.2372	112	-0.0608
8	0.1372	59	0.2062	113	-0.1038
9	0.1372	60	0.1742	114	-0.1388
10	0.1282	61	0.1292	115	-0.0708
11	0.1142	62	0.0782	116	0.0052
12	0.0942	63	-0.0008	117	0.0252
13	0.0512	64	-0.4278	118	-0.0068
14	-0.1138	65	-0.3928	119	0.0002
15	-0.2268	66	0.3432	120	0.0142
16	0.1222	67	0.2812	121	0.0192
17	0.1212	68	0.2392	122	-0.1938
18	0.1372	69	0.1972	123	-0.1398
19	0.1452	70	0.1562	124	-0.0678
20	0.1512	71	0.1102	125	-0.0188
21	0.1502	72	0.0492	126	0.0212
22	0.1502	73	-0.0498	127	-0.0078
23	0.1432	74	-0.4268	128	-0.1918
24	0.1322	75	0.3262	129	-0.0818
25	0.1152	76	0.2622	135	0.0242
26	0.0852	77	0.2062	136	0.0252
27	0.0302	78	0.1512	137	0.0282
28	-0.1188	79	0.0832	138	0.1282
29	-0.2548	80	0.0052	139	0.1352
30	0.2212	81	-0.1388	140	0.1362
32	0.1962	82	-0.4538	141	0.1532
33	0.1912	83	0.2612	142	0.1522
34	0.1822	84	0.2022	143	0.1512
35	0.1732	85	0.1162	145	0.0232
36	0.1612	86	0.0332	147	0.1522
37	0.1452	87	-0.0368	151	0.1002
38	0.1222	88	-0.1458	152	-0.1998
39	0.0872	89	-0.4888	153	-0.3148
40	0.0322	90	0.1732	154	-0.2538
41	-0.0978	91	0.0332	155	0.0842
42	-0.2808	92	-0.0198	156	0.0782
43	0.3232	93	-0.0758	157	-0.1318
44	0.2762	94	-0.1198	158	0.4792
45	0.2532	95	-0.4918	159	0.2532
46	0.2412	96	-0.4788	160	0.1672
47	0.2202	97	-0.4648	161	0.0422
48	0.1942	98	0.0042	162	0.4282
49	0.1682	99	-0.0338	163	0.2842
50	0.1392	100	-0.1608	164	0.1342
51	0.0892	101	-0.5888	165	-0.0218

ORF	CP	ORF	CP	ORF	CP
166	0.4852	217	-0.1728	268	-0.3778
167	0.2562	218	0.0062	269	-0.3148
168	0.2062	219	0.1272	270	-0.2388
169	0.0662	220	0.1042	271	-0.4908
170	0.2752	221	-0.2448	272	-0.4888
171	0.1252	222	-0.1038	273	-0.2138
172	-0.0928	223	0.3072	274	-0.1808
173	0.0642	224	0.3612	275	0.4342
174	-0.1108	225	0.3962	276	0.3682
175	-0.2878	226	0.2352	277	0.2462
176	-0.3998	227	-0.5028	278	-0.3718
177	-0.1998	228	-0.4938	279	-0.3528
178	-0.3238	229	-0.4648	280	-0.2418
179	-0.2188	230	-0.3808	281	-0.0188
180	-0.2938	231	-0.1438	282	0.1132
181	0.3822	232	0.0222	283	0.1242
182	0.4982	233	0.1152	284	0.1462
183	0.3232	234	0.1062	285	0.0782
184	0.5292	235	-0.0528	286	-0.5648
185	0.6592	236	-0.0048	287	-0.2968
186	0.7792	237	0.2012	288	-0.1318
187	0.8792	238	0.2322	289	-0.1478
188	0.9852	239	0.4302	290	-0.2998
189	1.0502	240	0.3102	291	-0.4568
190	0.2202	241	-0.5148	292	-0.0638
191	-0.2678	242	-0.4918	325	0.5032
192	-0.2578	244	-0.2908	326	0.5572
193	-0.2648	245	-0.0338	327	0.6182
194	-0.2758	246	0.0662	328	0.6852
195	-0.2558	247	0.1102	329	0.7682
196	-0.2858	248	0.1072	330	0.8202
197	-0.2658	249	0.0732	331	0.9742
198	-0.2738	250	0.0122	332	1.0682
199	-0.2748	251	-0.2548	333	1.1352
200	-0.2568	252	-0.4678	334	1.2032
201	-0.2618	253	0.3622	335	1.2282
202	-0.2628	254	0.2202	336	1.2432
203	-0.2588	255	-0.3818	337	1.2522
204	-0.2578	256	-0.3518	338	1.2572
205	0.2942	257	-0.3008	339	1.2602
206	0.3242	258	-0.1278	340	1.2632
207	0.3202	259	0.0492	341	1.2662
208	0.3312	260	0.0982	350	0.0602
210	0.5652	261	0.1212	351	0.1052
211	0.4562	262	0.1012	352	0.1462
212	0.3032	263	-0.1458	353	0.1842
213	-0.5018	264	-0.2508	354	0.1822
214	-0.4828	265	-0.3898	355	0.1542
215	-0.4648	266	-0.3168		
216	-0.4018	267	-0.2268		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 79
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 5.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.004
TUNNEL DYNAMIC PRESSURE(PSF) = 730.
TUNNEL STAGNATION PRESSURE(PSF) = 1968.
TUNNEL STATIC PRESSURE(PSF) = 1035.
REYNOLDS NUMBER PER FOOT = 3.9680E 06
MODEL ANGLE OF ATTACK(DEG) = 0.05
FIN ANGLE(DEG) = -0.14
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 563.

SCANIVALE	CP(REF)
147	1.0012
247	1.0012
347	1.0022
447	1.0032
547	1.0032
647	1.0052
747	1.0042

ORF	CP	ORF	CP	ORF	CP
1	0.1392	52	-0.0358	102	-0.5638
2	-0.2628	53	-0.2698	103	-0.8398
3	-0.3138	54	-0.4398	104	-0.8248
4	-0.1918	55	0.1682	105	-0.7098
5	-0.0848	56	0.1452	110	-0.0508
6	-0.0068	57	0.1332	111	-0.1218
7	0.0262	58	0.1162	112	-0.0598
8	0.0472	59	0.0952	113	-0.1268
9	0.0532	60	0.0722	114	-0.1258
10	0.0512	61	0.0412	115	-0.0888
11	0.0432	62	0.0032	116	-0.0118
12	0.0242	63	-0.0638	117	0.0262
13	-0.0088	64	-0.4548	118	-0.0018
14	-0.1668	65	-0.4488	119	-0.0028
15	-0.2978	66	0.1622	120	0.0342
16	-0.1208	67	0.1372	121	0.0262
17	-0.1158	68	0.1142	122	-0.1118
18	-0.0438	69	0.0902	123	-0.1258
19	-0.0008	70	0.0622	124	-0.0328
20	0.0312	71	0.0282	125	-0.0008
21	0.0522	72	-0.0208	126	0.0272
22	0.0632	73	-0.1088	127	0.0052
23	0.0602	74	-0.4728	128	-0.1428
24	0.0562	75	0.1542	129	-0.0538
25	0.0452	76	0.1182	135	0.0412
26	0.0242	77	0.0822	136	0.0332
27	-0.0228	78	0.0422	137	0.0362
28	-0.1708	79	-0.0048	138	0.1412
29	-0.3318	80	-0.0588	139	0.1432
30	0.0182	81	-0.1878	140	0.1432
32	0.0582	82	-0.4848	141	0.1592
33	0.0692	83	0.1142	142	0.1582
34	0.0742	84	0.0732	143	0.1562
35	0.0762	85	0.0172	145	0.0372
36	0.0712	86	-0.0238	147	0.1582
37	0.0642	87	-0.0728	151	-0.0238
38	0.0492	88	-0.1658	152	-0.2828
39	0.0192	89	-0.5058	153	-0.2548
40	-0.0248	90	0.0182	154	-0.3148
41	-0.1488	91	-0.0078	155	0.0812
42	-0.3788	92	-0.0438	156	0.0172
43	0.1442	93	-0.0878	157	-0.1428
44	0.1292	94	-0.1448	158	0.4312
45	0.1202	95	-0.5078	159	0.1752
46	0.1152	96	-0.3128	160	0.1132
47	0.1072	97	-0.4618	161	0.0092
48	0.0942	98	0.0972	162	0.3642
49	0.0762	99	0.0572	163	0.2262
50	0.0552	100	-0.1858	164	0.1472
51	0.0172	101	-0.6248	165	-0.0618

ORF	CP	ORF	CP	ORF	CP
166	0.4372	217	-0.0948	268	-0.4238
167	0.1752	218	0.0252	269	-0.3108
168	0.1442	219	0.0652	270	-0.2178
169	0.0192	220	0.0362	271	-0.5518
170	0.2342	221	-0.2938	272	-0.5568
171	0.0602	222	-0.2338	273	-0.1968
172	-0.1348	223	0.2412	274	-0.1648
173	-0.0348	224	0.3002	275	0.4262
174	-0.1608	225	0.3002	276	0.3962
175	-0.3418	226	0.1502	277	0.2502
176	-0.3748	227	-0.4728	278	-0.6188
177	-0.3168	228	-0.4598	279	-0.5788
178	-0.4548	229	-0.4338	280	-0.5008
179	-0.3198	230	-0.3218	281	-0.3508
180	-0.2938	231	-0.0798	282	-0.1198
181	0.2602	232	0.0172	283	0.0112
182	0.3802	233	0.0502	284	0.0762
183	0.4402	234	0.0382	285	0.0302
184	0.6382	235	-0.1208	286	-0.6038
185	0.7042	236	-0.0908	287	-0.3788
186	0.7592	237	0.1302	288	-0.1108
187	0.8212	238	0.1222	289	-0.1458
188	0.8862	239	0.2972	290	-0.2868
189	0.9112	240	0.1842	291	-0.4848
190	0.2562	241	-0.4558	292	0.0362
191	-0.2718	242	-0.4348	325	0.3902
192	-0.2658	244	-0.1988	326	0.4172
193	-0.2668	245	-0.0348	327	0.4342
194	-0.2648	246	0.0132	328	0.4322
195	-0.2628	247	0.0402	329	0.4622
196	-0.2738	248	0.0372	330	0.4572
197	-0.2688	249	-0.0048	331	0.5102
198	-0.2688	250	0.0312	332	0.5672
199	-0.2718	251	-0.2558	333	0.6412
200	-0.2678	252	-0.4218	334	0.7942
201	-0.2608	253	0.3232	335	0.9712
202	-0.2628	254	0.1842	336	1.1132
203	-0.2628	255	-0.4938	337	1.1862
204	-0.2558	256	-0.4798	338	1.2022
205	0.3002	257	-0.4538	339	1.2012
206	0.3192	258	-0.3458	340	1.2062
207	0.3202	259	-0.1068	341	1.2182
208	0.3222	260	0.0182	350	0.1152
210	0.4462	261	0.0642	351	0.1432
211	0.3702	262	0.0552	352	0.1952
212	0.2242	263	-0.2038	353	0.2362
213	-0.5578	264	-0.2908	354	0.2382
214	-0.5148	265	-0.4058	355	0.2062
215	-0.4728	266	-0.3088		
216	-0.3578	267	-0.2828		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 80
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 5.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.998
TUNNEL DYNAMIC PRESSURE(PSF) = 726.
TUNNEL STAGNATION PRESSURE(PSF) = 1968.
TUNNEL STATIC PRESSURE(PSF) = 1042.
REYNOLDS NUMBER PER FOOT = 3.9640E 06
MODEL ANGLE OF ATTACK(DEG) = 4.03
FIN ANGLE(DEG) = -0.35
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 563.

SCANIVALE	CP(REF)
147	0.9977
247	0.9977
347	0.9977
447	0.9987
547	0.9897
647	0.9917
747	0.9917

ORF	CP	ORF	CP	ORF	CP
1	0.0497	52	-0.1653	102	-0.5393
2	-0.2943	53	-0.3883	103	-0.8633
3	-0.2933	54	-0.4753	104	-0.8333
4	-0.1963	55	-0.0843	105	-0.7133
5	-0.1313	56	-0.0353	110	-0.0383
6	-0.0883	57	-0.0313	111	-0.1163
7	-0.0673	58	-0.0433	112	-0.0593
8	-0.0553	59	-0.0513	113	-0.1613
9	-0.0513	60	-0.0653	114	-0.1403
10	-0.0533	61	-0.0963	115	-0.1393
11	-0.0583	62	-0.1293	116	-0.0333
12	-0.0733	63	-0.1883	117	0.0187
13	-0.1093	64	-0.5323	118	-0.0083
14	-0.2623	65	-0.5183	119	-0.0143
15	-0.3763	66	-0.2223	120	0.0177
16	-0.1533	67	-0.0673	121	0.0247
17	-0.1673	68	-0.0473	122	-0.1023
18	-0.1273	69	-0.0603	123	-0.1453
19	-0.0953	70	-0.0823	124	-0.0223
20	-0.0703	71	-0.1053	125	-0.0093
21	-0.0583	72	-0.1463	126	0.0247
22	-0.0503	73	-0.2233	127	0.0067
23	-0.0523	74	-0.5393	128	-0.1233
24	-0.0553	75	-0.2953	129	-0.0523
25	-0.0663	76	-0.1283	135	0.0207
26	-0.0873	77	-0.0873	136	0.0247
27	-0.1363	78	-0.0983	137	0.0267
28	-0.2783	79	-0.1313	138	0.1277
29	-0.4093	80	-0.1633	139	0.1267
30	-0.1053	81	-0.2673	140	0.1277
32	-0.0693	82	-0.5223	141	0.1467
33	-0.0573	83	-0.2993	142	0.1477
34	-0.0513	84	-0.1963	143	0.1447
35	-0.0483	85	-0.1373	145	0.0287
36	-0.0493	86	-0.1273	147	0.1457
37	-0.0583	87	-0.1483	151	-0.1203
38	-0.0723	88	-0.2393	152	-0.3023
39	-0.0973	89	-0.5313	153	-0.2643
40	-0.1483	90	-0.4033	154	-0.2993
41	-0.2703	91	-0.2023	155	-0.0313
42	-0.4333	92	-0.1313	156	-0.0593
43	-0.0553	93	-0.1533	157	-0.1913
44	-0.0373	94	-0.2163	158	0.3307
45	-0.0333	95	-0.5293	159	0.0457
46	-0.0323	96	-0.1993	160	0.0047
47	-0.0333	97	-0.5083	161	-0.0833
48	-0.0423	98	0.0947	162	0.2387
49	-0.0543	99	0.0727	163	0.0967
50	-0.0723	100	-0.2483	164	0.1287
51	-0.1103	101	-0.6013	165	-0.1363

ORF	CP	ORF	CP	ORF	CP
166	0.3107	217	-0.0903	268	-0.4633
167	0.0767	218	-0.0313	269	-0.3083
168	0.0477	219	-0.0223	270	-0.2323
169	-0.0563	220	-0.0513	271	-0.5483
170	0.0777	221	-0.3573	272	-0.5333
171	-0.0163	222	-0.3013	273	-0.2103
172	-0.1753	223	0.1317	274	-0.1973
173	-0.0903	224	0.1817	275	0.2907
174	-0.2113	225	0.2187	276	0.2867
175	-0.3033	226	0.0787	277	0.1387
176	-0.3433	227	-0.4993	278	-0.6663
177	-0.3583	228	-0.4873	279	-0.6193
178	-0.5033	229	-0.4373	280	-0.5133
179	-0.3663	230	-0.2913	281	-0.3213
180	-0.2923	231	-0.0993	282	-0.1303
181	0.1367	232	-0.0463	283	-0.0793
182	0.2717	233	-0.0323	284	-0.0353
183	0.4417	234	-0.0453	285	-0.0753
184	0.6297	235	-0.1923	286	-0.5803
185	0.6847	236	-0.1523	287	-0.4063
186	0.7637	237	0.0457	288	-0.1593
187	0.8807	238	0.0467	289	-0.1903
188	0.9997	239	0.2497	290	-0.2873
189	1.0507	240	0.1507	291	-0.5013
190	0.3247	241	-0.5833	292	0.0817
191	-0.2763	242	-0.5493	325	0.3047
192	-0.2553	244	-0.3203	326	0.3287
193	-0.2593	245	-0.1223	327	0.3687
194	-0.2703	246	-0.0653	328	0.3837
195	-0.2793	247	-0.0423	329	0.4397
196	-0.2723	248	-0.0403	330	0.4907
197	-0.2623	249	-0.0753	331	0.6037
198	-0.2673	250	0.0197	332	0.7007
199	-0.2673	251	-0.2493	333	0.7627
200	-0.2763	252	-0.4073	334	0.9147
201	-0.2713	253	0.2867	335	1.0127
202	-0.2683	254	0.1527	336	1.0747
203	-0.2633	255	-0.6403	337	1.1097
204	-0.2663	256	-0.6003	338	1.1377
205	0.2247	257	-0.5403	339	1.1547
206	0.2407	258	-0.3923	340	1.1617
207	0.2337	259	-0.1673	341	1.1827
208	0.2327	260	-0.0683	350	0.1967
210	0.3007	261	-0.0363	351	0.2317
211	0.2587	262	-0.0423	352	0.2747
212	0.1297	263	-0.2863	353	0.2957
213	-0.5783	264	-0.3453	354	0.2847
214	-0.5193	265	-0.3973	355	0.2477
215	-0.4293	266	-0.3063		
216	-0.2563	267	-0.3623		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 81
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 5.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.999
TUNNEL DYNAMIC PRESSURE(PSF) = 728.
TUNNEL STAGNATION PRESSURE(PSF) = 1970.
TUNNEL STATIC PRESSURE(PSF) = 1042.
REYNOLDS NUMBER PER FOOT = 3.9690E 06
MODEL ANGLE OF ATTACK(DEG) = 7.96
FIN ANGLE(DEG) = -0.33
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 563.

SCANIVALE	CP(REF)
147	0.9957
247	0.9947
347	0.9957
447	0.9967
547	0.9927
647	0.9927
747	0.9937

ORF	CP	ORF	CP	ORF	CP
1	-0.0663	52	-0.2923	102	-0.5563
2	-0.3243	53	-0.4833	103	-0.8853
3	-0.3043	54	-0.4783	104	-0.8493
4	-0.2263	55	-0.4843	105	-0.7473
5	-0.1763	56	-0.2773	110	-0.0083
6	-0.1473	57	-0.1653	111	-0.0873
7	-0.1373	58	-0.1543	112	-0.0413
8	-0.1303	59	-0.1663	113	-0.1553
9	-0.1273	60	-0.1893	114	-0.1863
10	-0.1313	61	-0.2253	115	-0.1443
11	-0.1403	62	-0.2663	116	-0.0193
12	-0.1543	63	-0.3383	117	0.0267
13	-0.1913	64	-0.5683	118	0.0017
14	-0.3323	65	-0.5273	119	-0.0183
15	-0.4313	66	-0.5723	120	0.0257
16	-0.2123	67	-0.5133	121	0.0057
17	-0.2013	68	-0.3603	122	-0.1003
18	-0.1793	69	-0.2253	123	-0.1853
19	-0.1603	70	-0.2003	124	-0.0323
20	-0.1453	71	-0.2193	125	-0.0163
21	-0.1383	72	-0.2683	126	0.0077
22	-0.1353	73	-0.3443	127	-0.0023
23	-0.1353	74	-0.5843	128	-0.1183
24	-0.1403	75	-0.5863	129	-0.0463
25	-0.1523	76	-0.5953	135	0.0077
26	-0.1753	77	-0.5483	136	0.0167
27	-0.2203	78	-0.4263	137	0.0147
28	-0.3473	79	-0.3293	138	0.1237
29	-0.4563	80	-0.3083	139	0.1267
30	-0.1853	81	-0.3813	140	0.1277
32	-0.1573	82	-0.5763	141	0.1667
33	-0.1513	83	-0.5163	142	0.1617
34	-0.1453	84	-0.6193	143	0.1557
35	-0.1463	85	-0.6063	145	0.0147
36	-0.1483	86	-0.5443	147	0.1617
37	-0.1543	87	-0.4513	151	-0.0543
38	-0.1703	88	-0.4083	152	-0.3033
39	-0.1953	89	-0.5573	153	-0.2733
40	-0.2463	90	-0.6323	154	-0.2713
41	-0.3603	91	-0.6243	155	-0.1063
42	-0.4783	92	-0.5933	156	-0.0403
43	-0.2363	93	-0.5603	157	-0.1873
44	-0.1573	94	-0.5373	158	0.3537
45	-0.1433	95	-0.6283	159	0.1007
46	-0.1413	96	-0.2143	160	0.0397
47	-0.1483	97	-0.4743	161	-0.0573
48	-0.1563	98	0.1297	162	0.2967
49	-0.1723	99	0.1347	163	0.1637
50	-0.1933	100	-0.3173	164	0.1227
51	-0.2323	101	-0.6053	165	-0.1153

ORF	CP	ORF	CP	ORF	CP
166	0.3717	217	-0.2363	268	-0.5083
167	0.1327	218	-0.0943	269	-0.3243
168	0.0937	219	-0.0503	270	-0.2583
169	-0.0253	220	-0.0613	271	-0.5573
170	0.0457	221	-0.3673	272	-0.5153
171	0.0287	222	-0.3183	273	-0.2513
172	-0.1693	223	0.1437	274	-0.2283
173	-0.0583	224	0.2087	275	0.2297
174	-0.2323	225	0.2497	276	0.1817
175	-0.3293	226	0.1047	277	0.0377
176	-0.3913	227	-1.0033	278	-0.6503
177	-0.3233	228	-0.8793	279	-0.6093
178	-0.4573	229	-0.8023	280	-0.5033
179	-0.3773	230	-0.5393	281	-0.3113
180	-0.3023	231	-0.2313	282	-0.1673
181	-0.0063	232	-0.1123	283	-0.1413
182	0.1397	233	-0.0663	284	-0.1143
183	0.4237	234	-0.0573	285	-0.1513
184	0.5557	235	-0.2393	286	-0.5893
185	0.6067	236	-0.1403	287	-0.4123
186	0.6587	237	0.0927	288	-0.2173
187	0.7387	238	0.0827	289	-0.2323
188	0.8277	239	0.2417	290	-0.2923
189	0.9217	240	0.1247	291	-0.4013
190	0.3687	241	-0.7093	292	0.2217
191	-0.2803	242	-0.6833	325	0.3557
192	-0.2703	244	-0.4893	326	0.4167
193	-0.2733	245	-0.2473	327	0.4497
194	-0.2773	246	-0.1433	328	0.5047
195	-0.2863	247	-0.1023	329	0.5587
196	-0.2803	248	-0.1013	330	0.6097
197	-0.2713	249	-0.1213	331	0.7427
198	-0.2773	250	0.0287	332	0.8097
199	-0.2763	251	-0.2713	333	0.8477
200	-0.2853	252	-0.3463	334	0.8497
201	-0.2823	253	0.1667	335	0.8187
202	-0.2803	254	0.0357	336	0.8417
203	-0.2813	255	-0.6523	337	0.9227
204	-0.2793	256	-0.6133	338	1.0247
205	0.1987	257	-0.5513	339	1.1527
206	0.2187	258	-0.3923	340	1.2227
207	0.1907	259	-0.2013	341	1.2457
208	0.1907	260	-0.1433	350	0.3027
210	0.3317	261	-0.1193	351	0.3267
211	0.3157	262	-0.1283	352	0.3537
212	0.1737	263	-0.3443	353	0.3627
213	-0.8783	264	-0.4433	354	0.3447
214	-0.8563	265	-0.3823	355	0.2997
215	-0.7473	266	-0.2883		
216	-0.5473	267	-0.4063		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 82
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 5.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.003
TUNNEL DYNAMIC PRESSURE(PSF) = 730.
TUNNEL STAGNATION PRESSURE(PSF) = 1970.
TUNNEL STATIC PRESSURE(PSF) = 1038.
REYNOLDS NUMBER PER FOOT = 3.9790E 06
MODEL ANGLE OF ATTACK(DEG) = 14.19
FIN ANGLE(DEG) = -0.12
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 563.

SCAN VALUE	CP(REF)
147	0.9981
247	0.9971
347	0.9981
447	0.9991
547	0.9961
647	0.9991
747	0.9981

ORF	CP	ORF	CP	ORF	CP
1	-0.1999	52	-0.3289	102	-0.6129
2	-0.5519	53	-0.5149	103	-0.9199
3	-0.6039	54	-0.5489	104	-0.8769
4	-0.4379	55	-0.5709	105	-0.7919
5	-0.3369	56	-0.4209	110	0.0391
6	-0.2799	57	-0.3639	111	-0.0459
7	-0.2419	58	-0.2769	112	0.0061
8	-0.2259	59	-0.2519	113	-0.1379
9	-0.2129	60	-0.2529	114	-0.2749
10	-0.2129	61	-0.2679	115	-0.1379
11	-0.2159	62	-0.3069	116	0.0381
12	-0.2229	63	-0.3639	117	0.0481
13	-0.2529	64	-0.6319	118	-0.0259
14	-0.3859	65	-0.5919	119	-0.0419
15	-0.4869	66	-0.6179	120	0.0061
16	-0.4639	67	-0.5429	121	-0.0329
17	-0.4709	68	-0.4739	122	-0.1369
18	-0.3789	69	-0.3849	123	-0.2769
19	-0.3099	70	-0.3419	124	-0.0859
20	-0.2679	71	-0.3429	125	-0.0549
21	-0.2399	72	-0.3579	126	-0.0249
22	-0.2279	73	-0.4229	127	-0.0339
23	-0.2179	74	-0.6209	128	-0.1409
24	-0.2159	75	-0.6879	129	-0.0539
25	-0.2249	76	-0.6579	135	-0.0189
26	-0.2399	77	-0.5949	136	-0.0119
27	-0.2809	78	-0.5289	137	-0.0159
28	-0.3999	79	-0.4809	138	0.1041
29	-0.5209	80	-0.4879	139	0.1071
30	-0.4899	81	-0.5399	140	0.1111
32	-0.2809	82	-0.6639	141	0.1891
33	-0.2549	83	-0.6199	142	0.1771
34	-0.2279	84	-0.7379	143	0.1621
35	-0.2259	85	-0.7289	145	-0.0209
36	-0.2129	86	-0.6289	147	0.1741
37	-0.2249	87	-0.6239	151	-0.0409
38	-0.2299	88	-0.5929	152	-0.2899
39	-0.2529	89	-0.6759	153	-0.3089
40	-0.3009	90	-0.7789	154	-0.3019
41	-0.4039	91	-0.7919	155	-0.1399
42	-0.5419	92	-0.7579	156	-0.0279
43	-0.5459	93	-0.7229	157	-0.1659
44	-0.3569	94	-0.6839	158	0.2921
45	-0.2689	95	-0.7509	159	0.1141
46	-0.2189	96	-0.3389	160	0.0421
47	-0.2049	97	-0.5559	161	-0.0459
48	-0.2109	98	0.0411	162	0.2251
49	-0.2179	99	0.1091	163	0.0911
50	-0.2389	100	-0.3549	164	0.1101
51	-0.2729	101	-0.6469	165	-0.1319

ORF	CP	ORF	CP	ORF	CP
166	0.2691	217	-0.3569	268	-0.5399
167	0.0891	218	-0.2239	269	-0.3419
168	0.0291	219	-0.1239	270	-0.2729
169	-0.0749	220	-0.1249	271	-0.6019
170	-0.0039	221	-0.4099	272	-0.5749
171	0.0201	222	-0.3679	273	-0.2709
172	-0.1709	223	0.0731	274	-0.2469
173	-0.0629	224	0.1331	275	0.1741
174	-0.2319	225	0.2321	276	0.0841
175	-0.3419	226	0.1101	277	-0.0439
176	-0.3789	227	-1.0649	278	-0.9019
177	-0.3209	228	-0.9929	279	-0.8369
178	-0.3999	229	-0.8839	280	-0.7339
179	-0.3939	230	-0.6619	281	-0.5769
180	-0.3029	231	-0.3639	282	-0.3509
181	0.0141	232	-0.2039	283	-0.2549
182	0.2991	233	-0.1359	284	-0.1889
183	0.7591	234	-0.1159	285	-0.2149
184	0.9801	235	-0.3269	286	-0.6199
185	0.9921	236	-0.1749	287	-0.5099
186	1.0691	237	0.0541	288	-0.2479
187	1.1831	238	0.0671	289	-0.2559
188	1.2441	239	0.1481	290	-0.2839
189	1.2511	240	0.0371	291	-0.2969
190	0.5201	241	-0.9659	292	0.3321
191	-0.3039	242	-0.8829	325	0.3221
192	-0.2789	244	-0.5889	326	0.3671
193	-0.2839	245	-0.3369	327	0.3901
194	-0.2789	246	-0.2179	328	0.4661
195	-0.3119	247	-0.1719	329	0.4931
196	-0.2909	248	-0.1619	330	0.5351
197	-0.2779	249	-0.1839	331	0.6721
198	-0.2869	250	0.0151	332	0.7681
199	-0.2969	251	-0.2619	333	0.8461
200	-0.3109	252	-0.3139	334	0.8701
201	-0.2959	253	0.0741	335	0.8631
202	-0.2809	254	-0.0499	336	0.8391
203	-0.2909	255	-0.8139	337	0.8071
204	-0.3009	256	-0.7759	338	0.7521
205	0.0921	257	-0.7299	339	0.7111
206	0.1251	258	-0.5669	340	0.7111
207	0.0931	259	-0.3449	341	0.7131
208	0.0591	260	-0.2479	350	0.4051
210	0.1281	261	-0.1919	351	0.4111
211	0.2561	262	-0.1879	352	0.4271
212	0.1261	263	-0.3969	353	0.4291
213	-0.8199	264	-0.4729	354	0.3911
214	-0.6959	265	-0.3739	355	0.3541
215	-0.5929	266	-0.2999		
216	-0.4879	267	-0.4579		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 83
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 5.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.999
TUNNEL DYNAMIC PRESSURE(PSF) = 728.
TUNNEL STAGNATION PRESSURE(PSF) = 1970.
TUNNEL STATIC PRESSURE(PSF) = 1042.
REYNOLDS NUMBER PER FOOT = 3.9760E 06
MODEL ANGLE OF ATTACK(DEG) = 0.12
FIN ANGLE(DEG) = -0.02
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 562.

SCANIVALE	CP(REF)
147	0.9967
247	0.9967
347	0.9967
447	0.9977
547	0.9917
647	0.9937
747	0.9937

ORF	CP	ORF	CP	ORF	CP
1	0.1357	52	-0.0463	102	-0.5753
2	-0.2693	53	-0.2803	103	-0.8553
3	-0.3103	54	-0.4493	104	-0.8403
4	-0.1863	55	0.1587	105	-0.7253
5	-0.0873	56	0.1377	110	-0.0643
6	-0.0163	57	0.1267	111	-0.1343
7	0.0217	58	0.1067	112	-0.0763
8	0.0397	59	0.0877	113	-0.1413
9	0.0467	60	0.0667	114	-0.1353
10	0.0427	61	0.0307	115	-0.1083
11	0.0347	62	-0.0043	116	-0.0233
12	0.0167	63	-0.0733	117	0.0157
13	-0.0183	64	-0.4653	118	-0.0043
14	-0.1783	65	-0.4603	119	-0.0083
15	-0.3083	66	0.1537	120	0.0217
16	-0.1173	67	0.1277	121	0.0207
17	-0.1073	68	0.1067	122	-0.1483
18	-0.0533	69	0.0837	123	-0.1353
19	-0.0093	70	0.0557	124	-0.0413
20	0.0257	71	0.0207	125	-0.0143
21	0.0447	72	-0.0293	126	0.0217
22	0.0527	73	-0.1153	127	0.0007
23	0.0527	74	-0.4833	128	-0.1463
24	0.0477	75	0.1447	129	-0.0693
25	0.0367	76	0.1117	135	0.0287
26	0.0137	77	0.0757	136	0.0267
27	-0.0323	78	0.0337	137	0.0287
28	-0.1833	79	-0.0123	138	0.1297
29	-0.3403	80	-0.0663	139	0.1297
30	0.0187	81	-0.1953	140	0.1297
32	0.0507	82	-0.4953	141	0.1497
33	0.0617	83	0.1027	142	0.1487
34	0.0657	84	0.0677	143	0.1457
35	0.0667	85	0.0117	145	0.0267
36	0.0637	86	-0.0313	147	0.1447
37	0.0547	87	-0.0813	151	-0.0333
38	0.0417	88	-0.1733	152	-0.2853
39	0.0127	89	-0.5163	153	-0.2633
40	-0.0373	90	0.0087	154	-0.3133
41	-0.1563	91	-0.0153	155	0.0647
42	-0.3903	92	-0.0553	156	0.0017
43	0.1407	93	-0.0963	157	-0.1543
44	0.1237	94	-0.1553	158	0.4227
45	0.1137	95	-0.5183	159	0.1627
46	0.1087	96	-0.3313	160	0.1087
47	0.0987	97	-0.4703	161	0.0007
48	0.0877	98	0.0887	162	0.3537
49	0.0687	99	0.0467	163	0.2177
50	0.0467	100	-0.1963	164	0.1297
51	0.0107	101	-0.6363	165	-0.0733

ORF	CP	ORF	CP	ORF	CP
166	0.4267	217	-0.1123	268	-0.4353
167	0.1687	218	0.0067	269	-0.3263
168	0.1347	219	0.0507	270	-0.2303
169	0.0007	220	0.0237	271	-0.5623
170	0.2237	221	-0.3093	272	-0.5683
171	0.0487	222	-0.2413	273	-0.2093
172	-0.1403	223	0.2257	274	-0.1763
173	-0.0443	224	0.2847	275	0.4027
174	-0.1693	225	0.2907	276	0.3797
175	-0.3523	226	0.1377	277	0.2357
176	-0.3843	227	-0.4783	278	-0.6163
177	-0.3183	228	-0.4793	279	-0.5833
178	-0.4723	229	-0.4503	280	-0.5113
179	-0.3353	230	-0.3393	281	-0.3653
180	-0.3053	231	-0.1053	282	-0.1243
181	0.2547	232	0.0037	283	0.0047
182	0.3707	233	0.0367	284	0.0647
183	0.4307	234	0.0257	285	0.0157
184	0.6277	235	-0.1343	286	-0.6133
185	0.6977	236	-0.1013	287	-0.3923
186	0.7517	237	0.1187	288	-0.1233
187	0.8097	238	0.1097	289	-0.1553
188	0.8817	239	0.2857	290	-0.2963
189	0.9337	240	0.1757	291	-0.4933
190	0.2487	241	-0.4693	292	0.0257
191	-0.2783	242	-0.4593	325	0.3777
192	-0.2723	244	-0.2203	326	0.4017
193	-0.2723	245	-0.0423	327	0.4227
194	-0.2823	246	0.0037	328	0.4257
195	-0.2733	247	0.0297	329	0.4587
196	-0.2893	248	0.0267	330	0.4547
197	-0.2733	249	-0.0153	331	0.5067
198	-0.2833	250	0.0217	332	0.5737
199	-0.2893	251	-0.2713	333	0.6547
200	-0.2813	252	-0.4383	334	0.8027
201	-0.2803	253	0.3047	335	0.9847
202	-0.2843	254	0.1667	336	1.1247
203	-0.2843	255	-0.4983	337	1.1847
204	-0.2763	256	-0.4893	338	1.1897
205	0.2897	257	-0.4593	339	1.1897
206	0.3077	258	-0.3693	340	1.1977
207	0.3087	259	-0.1103	341	1.2127
208	0.3107	260	0.0057	350	0.0847
210	0.4497	261	0.0507	351	0.1307
211	0.3577	262	0.0407	352	0.1847
212	0.2137	263	-0.2173	353	0.2287
213	-0.5623	264	-0.3043	354	0.2287
214	-0.5253	265	-0.4183	355	0.1977
215	-0.4853	266	-0.3123		
216	-0.3713	267	-0.2943		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 84
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 6.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.347
TUNNEL DYNAMIC PRESSURE(PSF) = 827.
TUNNEL STAGNATION PRESSURE(PSF) = 1923.
TUNNEL STATIC PRESSURE(PSF) = 650.
REYNOLDS NUMBER PER FOOT = 3.9720E 06
MODEL ANGLE OF ATTACK(DEG) = -14.34
FIN ANGLE(DEG) = -0.14
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 561.

SCANIVALE	CP(REF)
147	1.3510
247	1.3520
347	1.3520
447	1.3520
547	1.3500
647	1.3520
747	1.3510

ORF	CP	ORF	CP	ORF	CP
1	0.6740	52	0.5050	102	-0.2190
2	0.4980	53	0.2690	103	-0.4590
3	0.4850	54	0.2050	104	-0.4370
4	0.5160	55	0.8320	105	-0.3630
5	0.5450	56	0.7780	110	-0.0350
6	0.5690	57	0.7400	111	-0.0420
7	0.5830	58	0.7140	112	-0.0450
8	0.5890	59	0.6870	113	-0.0850
9	0.5940	60	0.6490	114	-0.2310
10	0.5870	61	0.6030	115	-0.1630
11	0.5810	62	0.5550	116	0.0210
12	0.5640	63	0.4700	117	0.0120
13	0.5300	64	0.1020	118	0.0110
14	0.3790	65	0.1670	119	0.0090
15	0.2760	66	0.8320	120	-0.0340
16	0.6140	67	0.7750	121	-0.1210
17	0.5890	68	0.7260	122	-0.1480
18	0.6030	69	0.6940	123	-0.2160
19	0.6020	70	0.6460	124	-0.1590
20	0.6110	71	0.5950	125	-0.1360
21	0.6160	72	0.5300	126	-0.1140
22	0.6200	73	0.4210	127	-0.1260
23	0.6120	74	0.1400	128	-0.2130
24	0.6020	75	0.8250	129	-0.1270
25	0.5890	76	0.7480	135	-0.1030
26	0.5670	77	0.6890	136	-0.1100
27	0.5210	78	0.6280	137	-0.1090
28	0.3840	79	0.5700	138	-0.0100
29	0.2530	80	0.4820	139	-0.0090
30	0.7080	81	0.3230	140	-0.0370
32	0.6740	82	0.0980	141	0.1100
33	0.6620	83	0.7400	142	0.1070
34	0.6570	84	0.7070	143	0.1090
35	0.6480	85	0.6180	145	-0.1160
36	0.6410	86	0.5250	147	0.1090
37	0.6230	87	0.4380	151	0.5770
38	0.6040	88	0.3110	152	0.2770
39	0.5750	89	0.0440	153	0.0840
40	0.5220	90	0.6950	154	-0.1410
41	0.4040	91	0.5170	155	0.4770
42	0.2300	92	0.4040	156	0.5170
43	0.8050	93	0.3290	157	0.2990
44	0.7570	94	0.2490	158	0.8840
45	0.7330	95	-0.0320	159	0.6990
46	0.7150	96	-0.3510	160	0.6130
47	0.6950	97	-0.1790	161	0.4940
48	0.6680	98	-0.4850	162	0.8630
49	0.6440	99	-0.5410	163	0.7440
50	0.6150	100	-0.5070	164	-0.0280
51	0.5700	101	-0.2450	165	0.4390

ORF	CP	ORF	CP	ORF	CP
166	0.9470	217	-0.1260	268	0.0200
167	0.7040	218	0.3050	269	0.0140
168	0.6540	219	0.5460	270	0.1350
169	0.5250	220	0.5420	271	-0.1040
170	0.6080	221	0.2530	272	-0.1210
171	0.6090	222	0.3160	273	0.1530
172	0.3870	223	0.7130	274	0.1540
173	0.5230	224	0.7800	275	0.4740
174	0.3330	225	0.6790	276	0.7530
175	0.1670	226	0.5850	277	0.7270
176	-0.1300	227	-0.4880	278	0.2750
177	0.2930	228	-0.4120	279	0.3600
178	0.1840	229	-0.3280	280	0.4300
179	0.2120	230	-0.1750	281	0.4890
180	-0.3790	231	-0.0040	282	0.5500
181	0.8280	232	0.3800	283	0.5670
182	0.9140	233	0.5390	284	0.6060
183	0.0540	234	0.5550	285	0.5520
184	0.2350	235	0.3880	286	-0.2300
185	0.3300	236	0.4430	287	-0.0480
186	0.6660	237	0.6470	288	0.2090
187	0.9960	238	0.6740	289	0.1780
188	1.0770	239	0.6380	290	-0.0240
189	1.1860	240	0.5800	291	-0.4760
190	0.4970	241	-0.4450	292	0.0240
191	-0.3550	242	-0.3270	325	0.9000
192	-0.3540	244	0.0110	326	1.0010
193	-0.3530	245	0.2840	327	1.0870
194	-0.3570	246	0.4390	328	1.1620
195	-0.3400	247	0.5310	329	1.2580
196	-0.4020	248	0.5460	330	1.3330
197	-0.3590	249	0.5140	331	1.4370
198	-0.3670	250	-0.0130	332	1.4610
199	-0.3930	251	-0.3430	333	1.4770
200	-0.3480	252	-0.1770	334	1.5080
201	-0.3530	253	0.7270	335	1.5190
202	-0.3530	254	0.6680	336	1.5270
203	-0.3550	255	-0.3810	337	1.5280
204	-0.3530	256	-0.2310	338	1.5280
205	0.0460	257	-0.0600	339	1.5280
206	0.1530	258	0.1820	340	1.5270
207	0.0350	259	0.4160	341	1.5290
208	0.1040	260	0.5020	350	0.0570
210	0.7110	261	0.5660	351	0.1290
211	0.7750	262	0.5570	352	0.0690
212	0.6700	263	0.3240	353	-0.0570
213	-0.3340	264	0.1930	354	-0.1160
214	-0.3060	265	-0.0210	355	-0.1030
215	-0.2540	266	0.0130		
216	-0.1850	267	0.2470		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 85
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 6.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.352
TUNNEL DYNAMIC PRESSURE(PSF) = 827.
TUNNEL STAGNATION PRESSURE(PSF) = 1923.
TUNNEL STATIC PRESSURE(PSF) = 646.
REYNOLDS NUMBER PER FOOT = 3.9770E 06
MODEL ANGLE OF ATTACK(DEG) = -8.17
FIN ANGLE(DEG) = -0.21
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.3549
247	1.3559
347	1.3559
447	1.3569
547	1.3539
647	1.3559
747	1.3559

ORF	CP	ORF	CP	ORF	CP
1	0.5459	52	0.4259	102	-0.2341
2	0.3259	53	0.2179	103	-0.4581
3	0.2869	54	0.0779	104	-0.4231
4	0.3099	55	0.6089	105	-0.3871
5	0.3259	56	0.5769	110	-0.0031
6	0.3549	57	0.5689	111	-0.0141
7	0.3739	58	0.5569	112	-0.0091
8	0.3909	59	0.5489	113	-0.0671
9	0.4129	60	0.5299	114	-0.1751
10	0.4179	61	0.5019	115	-0.0971
11	0.4209	62	0.4649	116	-0.0041
12	0.4219	63	0.4079	117	0.0069
13	0.3999	64	0.0549	118	-0.0211
14	0.2749	65	0.0769	119	-0.0261
15	0.1779	66	0.6489	120	0.0179
16	0.4279	67	0.6039	121	-0.0621
17	0.3629	68	0.5789	122	-0.1551
18	0.3619	69	0.5539	123	-0.1751
19	0.3679	70	0.5339	124	-0.1091
20	0.3889	71	0.5039	125	-0.0791
21	0.4079	72	0.4539	126	-0.0561
22	0.4239	73	0.3659	127	-0.0671
23	0.4279	74	0.0559	128	-0.2021
24	0.4379	75	0.6719	129	-0.1141
25	0.4429	76	0.6119	135	-0.0491
26	0.4319	77	0.5699	136	-0.0541
27	0.4049	78	0.5279	137	-0.0571
28	0.2879	79	0.4839	138	0.0249
29	0.1459	80	0.4139	139	0.0239
30	0.4609	81	0.2779	140	0.0299
32	0.4289	82	0.0159	141	0.0759
33	0.4379	83	0.6129	142	0.0699
34	0.4409	84	0.5919	143	0.0689
35	0.4569	85	0.5169	145	-0.0551
36	0.4599	86	0.4329	147	0.0739
37	0.4659	87	0.3449	151	0.4749
38	0.4629	88	0.2459	152	0.2139
39	0.4489	89	-0.0371	153	0.0569
40	0.4209	90	0.5859	154	-0.1831
41	0.3249	91	0.4059	155	0.3809
42	0.0969	92	0.3069	156	0.5119
43	0.5529	93	0.2479	157	0.2769
44	0.5249	94	0.1809	158	0.8299
45	0.5199	95	-0.1071	159	0.6459
46	0.5169	96	-0.2041	160	0.5749
47	0.5149	97	-0.0651	161	0.4639
48	0.5119	98	-0.1531	162	0.7749
49	0.5059	99	-0.3221	163	0.6879
50	0.4949	100	-0.2591	164	0.0299
51	0.4689	101	-0.2641	165	0.4019

ORF	CP	ORF	CP	ORF	CP
166	0.8359	217	-0.1071	268	-0.0191
167	0.6499	218	0.0399	269	-0.0161
168	0.6069	219	0.3499	270	0.0849
169	0.4769	220	0.4349	271	-0.1471
170	0.6169	221	0.1799	272	-0.1511
171	0.5289	222	0.2719	273	0.0929
172	0.3259	223	0.6259	274	0.1069
173	0.4309	224	0.6889	275	0.3079
174	0.2849	225	0.5569	276	0.6329
175	0.0799	226	0.4629	277	0.5979
176	-0.1621	227	-0.4941	278	0.0789
177	0.2229	228	-0.4131	279	0.1819
178	0.0999	229	-0.2971	280	0.2469
179	0.0979	230	-0.1201	281	0.3019
180	-0.3481	231	-0.0491	282	0.3359
181	0.3419	232	0.0959	283	0.3499
182	0.4459	233	0.3599	284	0.4279
183	0.1609	234	0.4459	285	0.4189
184	0.2399	235	0.3169	286	-0.2501
185	0.3109	236	0.3659	287	-0.0421
186	0.4619	237	0.5449	288	0.1529
187	0.5269	238	0.5699	289	0.1369
188	0.5959	239	0.5559	290	-0.0591
189	0.6339	240	0.5189	291	-0.4761
190	0.2849	241	-0.4601	292	0.1069
191	-0.3191	242	-0.3551	325	0.7329
192	-0.3281	244	-0.0881	326	0.8149
193	-0.3291	245	0.0609	327	0.8609
194	-0.3321	246	0.2119	328	0.9379
195	-0.3161	247	0.3779	329	1.0159
196	-0.3591	248	0.4359	330	1.0959
197	-0.3311	249	0.4259	331	1.3649
198	-0.3401	250	0.0339	332	1.4849
199	-0.3481	251	-0.3181	333	1.5139
200	-0.3221	252	-0.1861	334	1.5119
201	-0.3241	253	0.6049	335	1.4979
202	-0.3271	254	0.5419	336	1.5039
203	-0.3301	255	-0.4141	337	1.5119
204	-0.3271	256	-0.2711	338	1.5149
205	0.2479	257	-0.1141	339	1.5189
206	0.2679	258	0.0799	340	1.5209
207	0.2819	259	0.2529	341	1.5209
208	0.2959	260	0.3159	350	0.2019
210	0.5499	261	0.4019	351	0.2949
211	0.6519	262	0.4389	352	0.2649
212	0.5659	263	0.2409	353	-0.0291
213	-0.3391	264	0.1449	354	-0.0461
214	-0.2971	265	-0.0471	355	-0.0071
215	-0.2391	266	-0.0271		
216	-0.1741	267	0.1619		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 86
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 6.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.352
TUNNEL DYNAMIC PRESSURE(PSF) = 825.
TUNNEL STAGNATION PRESSURE(PSF) = 1920.
TUNNEL STATIC PRESSURE(PSF) = 645.
REYNOLDS NUMBER PER FOOT = 3.9700E 06
MODEL ANGLE OF ATTACK(DEG) = -4.03
FIN ANGLE(DEG) = -0.43
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.3582
247	1.3592
347	1.3592
447	1.3592
547	1.3572
647	1.3592
747	1.3582

ORF	CP	ORF	CP	ORF	CP
1	0.2862	52	0.2572	102	-0.2328
2	0.1382	53	0.1152	103	-0.4448
3	0.1442	54	-0.0388	104	-0.4138
4	0.1732	55	0.3792	105	-0.3708
5	0.1892	56	0.3392	110	-0.0328
6	0.1972	57	0.3202	111	-0.0518
7	0.2032	58	0.3132	112	-0.0318
8	0.2092	59	0.3122	113	-0.0958
9	0.2102	60	0.3162	114	-0.1618
10	0.2172	61	0.3042	115	-0.1028
11	0.2162	62	0.3082	116	-0.0438
12	0.2112	63	0.2832	117	-0.0208
13	0.1962	64	-0.0118	118	-0.0228
14	0.0942	65	-0.0168	119	-0.0298
15	0.0142	66	0.4012	120	0.0482
16	0.2322	67	0.3682	121	-0.0338
17	0.2142	68	0.3462	122	-0.1578
18	0.2162	69	0.3322	123	-0.1618
19	0.2132	70	0.3302	124	-0.0878
20	0.2122	71	0.3282	125	-0.0568
21	0.2172	72	0.3182	126	-0.0288
22	0.2202	73	0.2822	127	-0.0478
23	0.2192	74	-0.0178	128	-0.1788
24	0.2232	75	0.4322	129	-0.0998
25	0.2252	76	0.3852	135	-0.0378
26	0.2182	77	0.3652	136	-0.0438
27	0.1952	78	0.3552	137	-0.0468
28	0.1082	79	0.3442	138	0.0442
29	-0.0058	80	0.3132	139	0.0502
30	0.2822	81	0.2132	140	0.0472
32	0.2472	82	-0.0588	141	0.0702
33	0.2402	83	0.3942	142	0.0682
34	0.2422	84	0.3992	143	0.0652
35	0.2382	85	0.3612	145	-0.0458
36	0.2382	86	0.3032	147	0.0642
37	0.2382	87	0.2342	151	0.3582
38	0.2392	88	0.1632	152	0.1002
39	0.2322	89	-0.1098	153	-0.0248
40	0.2092	90	0.4232	154	-0.2748
41	0.1452	91	0.2472	155	0.2972
42	-0.0418	92	0.1802	156	0.4222
43	0.3532	93	0.1392	157	0.2242
44	0.3162	94	0.1172	158	0.7542
45	0.2952	95	-0.1558	159	0.5732
46	0.2872	96	-0.1718	160	0.5222
47	0.2872	97	-0.0928	161	0.4292
48	0.2852	98	-0.0518	162	0.7072
49	0.2872	99	-0.0188	163	0.6032
50	0.2902	100	0.0802	164	0.0502
51	0.2682	101	-0.2738	165	0.3412

ORF	CP	ORF	CP	ORF	CP
166	0.7272	217	-0.0408	268	-0.0778
167	0.5682	218	0.0302	269	-0.0368
168	0.5112	219	0.1822	270	-0.0078
169	0.3872	220	0.2742	271	-0.1888
170	0.5642	221	0.0832	272	-0.1748
171	0.4342	222	0.1142	273	0.0222
172	0.2532	223	0.5052	274	0.0282
173	0.3242	224	0.5832	275	0.3892
174	0.2072	225	0.4812	276	0.4232
175	-0.0178	226	0.3932	277	0.3562
176	-0.2148	227	-0.4798	278	-0.1068
177	0.1092	228	-0.3598	279	-0.0338
178	-0.0138	229	-0.2528	280	0.0522
179	-0.0138	230	-0.0898	281	0.1612
180	-0.3298	231	-0.0288	282	0.2082
181	0.5032	232	0.0612	283	0.2062
182	0.5972	233	0.1952	284	0.2332
183	0.3302	234	0.2802	285	0.2222
184	0.4752	235	0.1782	286	-0.2498
185	0.6332	236	0.2572	287	-0.0348
186	0.7512	237	0.4372	288	0.0842
187	0.8502	238	0.4242	289	0.0642
188	0.9582	239	0.4712	290	-0.1098
189	1.0452	240	0.4022	291	-0.4708
190	0.3222	241	-0.4828	292	0.1482
191	-0.2918	242	-0.3978	325	0.6492
192	-0.3088	244	-0.0468	326	0.6832
193	-0.3108	245	0.0782	327	0.7072
194	-0.3138	246	0.1312	328	0.7172
195	-0.2948	247	0.2042	329	0.7222
196	-0.3348	248	0.2632	330	0.7642
197	-0.3148	249	0.2652	331	0.8942
198	-0.3208	250	0.0622	332	1.0742
199	-0.3268	251	-0.2998	333	1.2772
200	-0.3078	252	-0.2288	334	1.4832
201	-0.3108	253	0.4032	335	1.5022
202	-0.3108	254	0.3262	336	1.5112
203	-0.3118	255	-0.1938	337	1.5062
204	-0.3088	256	-0.0878	338	1.5052
205	0.3122	257	-0.0188	339	1.5002
206	0.3542	258	0.0982	340	1.4972
207	0.3432	259	0.1552	341	1.5002
208	0.3312	260	0.1772	350	0.1022
210	0.4712	261	0.2102	351	0.2142
211	0.5562	262	0.2392	352	0.2062
212	0.4982	263	0.0902	353	0.0142
213	-0.3228	264	0.0302	354	-0.0478
214	-0.2418	265	-0.0738	355	-0.0128
215	-0.1768	266	-0.0678		
216	-0.1148	267	0.0282		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 87
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 6.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.348
TUNNEL DYNAMIC PRESSURE(PSF) = 825.
TUNNEL STAGNATION PRESSURE(PSF) = 1920.
TUNNEL STATIC PRESSURE(PSF) = 649.
REYNOLDS NUMBER PER FOOT = 3.9720E 06
MODEL ANGLE OF ATTACK(DEG) = 0.07
FIN ANGLE(DEG) = -0.54
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.3543
247	1.3543
347	1.3553
447	1.3553
547	1.3523
647	1.3543
747	1.3543

ORF	CP	ORF	CP	ORF	CP
1	0.3673	52	0.1923	102	-0.3247
2	0.0253	53	0.0483	103	-0.4647
3	-0.2577	54	-0.0857	104	-0.4417
4	-0.2497	55	0.0743	105	-0.3917
5	-0.1677	56	0.0323	110	-0.0397
6	-0.0247	57	0.0603	111	-0.0367
7	0.0763	58	0.1763	112	-0.0337
8	0.1113	59	0.2053	113	-0.0777
9	0.1303	60	0.2043	114	-0.1557
10	0.1373	61	0.2053	115	-0.1167
11	0.1473	62	0.2073	116	-0.0587
12	0.1603	63	0.1903	117	-0.0327
13	0.1693	64	-0.0637	118	-0.0337
14	0.0803	65	-0.0757	119	-0.0407
15	-0.0147	66	0.0893	120	0.0633
16	0.1023	67	0.1023	121	-0.0467
17	-0.0787	68	0.1753	122	-0.1077
18	-0.2137	69	0.2133	123	-0.1557
19	-0.1967	70	0.2173	124	-0.0757
20	-0.0487	71	0.2163	125	-0.0487
21	0.0933	72	0.2113	126	-0.0237
22	0.1453	73	0.1803	127	-0.0367
23	0.1493	74	-0.0677	128	-0.1697
24	0.1573	75	0.1493	129	-0.0957
25	0.1593	76	0.1943	135	-0.0257
26	0.1713	77	0.2223	136	-0.0297
27	0.1743	78	0.2293	137	-0.0307
28	0.0983	79	0.2353	138	0.0263
29	-0.0537	80	0.2393	139	0.0293
30	0.0383	81	0.1503	140	0.0323
32	-0.1397	82	-0.0767	141	0.0783
33	-0.1007	83	0.1743	142	0.0683
34	0.0693	84	0.2293	143	0.0793
35	0.1493	85	0.2293	145	-0.0287
36	0.1673	86	0.2163	147	0.0723
37	0.1673	87	0.1743	151	0.1983
38	0.1743	88	0.1683	152	-0.0537
39	0.1753	89	-0.0817	153	-0.1587
40	0.1823	90	0.2493	154	-0.3947
41	0.1263	91	0.1613	155	0.2183
42	-0.0987	92	0.2233	156	0.2543
43	0.0563	93	0.1933	157	0.0663
44	-0.0127	94	0.1863	158	0.6153
45	-0.0277	95	-0.0847	159	0.4473
46	0.0643	96	-0.2527	160	0.3893
47	0.1793	97	-0.0917	161	0.3063
48	0.1943	98	0.0363	162	0.5483
49	0.1933	99	0.2033	163	0.4793
50	0.2013	100	0.1563	164	0.0303
51	0.2013	101	-0.3597	165	0.2393

ORF	CP	ORF	CP	ORF	CP
166	0.6163	217	-0.1547	268	-0.1757
167	0.4303	218	0.0453	269	-0.1277
168	0.4003	219	0.1343	270	-0.0047
169	0.2883	220	0.1783	271	-0.2977
170	0.4263	221	-0.0117	272	-0.2887
171	0.3043	222	-0.0117	273	-0.0087
172	0.1433	223	0.3313	274	0.0343
173	0.1733	224	0.4293	275	0.4133
174	0.0733	225	0.4003	276	0.5493
175	-0.1677	226	0.3063	277	0.4613
176	-0.2917	227	-0.5567	278	-0.4197
177	-0.0527	228	-0.4997	279	-0.3707
178	-0.1567	229	-0.4327	280	-0.3107
179	-0.1297	230	-0.1997	281	-0.2227
180	-0.3187	231	0.0003	282	-0.1547
181	0.3403	232	0.0533	283	0.0253
182	0.4513	233	0.1153	284	0.1483
183	0.5203	234	0.1843	285	0.1743
184	0.7163	235	0.0733	286	-0.3417
185	0.7753	236	0.1143	287	-0.1677
186	0.8063	237	0.3093	288	0.0623
187	0.8383	238	0.2583	289	0.0483
188	0.8943	239	0.3693	290	-0.1617
189	0.9783	240	0.2933	291	-0.4677
190	0.3703	241	-0.3477	292	0.2233
191	-0.2997	242	-0.3047	325	0.4583
192	-0.3077	244	-0.0587	326	0.5113
193	-0.3077	245	0.0223	327	0.5363
194	-0.3087	246	0.0473	328	0.5473
195	-0.3067	247	0.1053	329	0.5473
196	-0.3157	248	0.1643	330	0.5193
197	-0.3107	249	0.1643	331	0.5193
198	-0.3137	250	0.0843	332	0.5493
199	-0.3167	251	-0.3007	333	0.6203
200	-0.3117	252	-0.2817	334	0.8373
201	-0.3067	253	0.4053	335	1.0833
202	-0.3037	254	0.3323	336	1.3463
203	-0.3067	255	-0.5407	337	1.4613
204	-0.3057	256	-0.4767	338	1.4733
205	0.3333	257	-0.4007	339	1.4673
206	0.3623	258	-0.2077	340	1.4683
207	0.3653	259	0.0053	341	1.4833
208	0.3683	260	0.0573	350	0.2323
210	0.4573	261	0.1273	351	0.2563
211	0.4973	262	0.2023	352	0.2603
212	0.4113	263	0.0163	353	0.2363
213	-0.3787	264	-0.0307	354	0.0613
214	-0.3547	265	-0.1717	355	0.0603
215	-0.3007	266	-0.1297		
216	-0.2487	267	-0.0537		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 88

TUNNEL = 11

TEST NO. = 086

TEST PHASE = 2

RUN NUMBER = 6.

CONFIGURATION NO. = 2.

ANGLE OF MODEL ROLL(DEG) = 0.

MACH NUMBER = 1.349

TUNNEL DYNAMIC PRESSURE(PSF) = 825.

TUNNEL STAGNATION PRESSURE(PSF) = 1920.

TUNNEL STATIC PRESSURE(PSF) = 648.

REYNOLDS NUMBER PER FOOT = 3.9700E 06

MODEL ANGLE OF ATTACK(DEG) = 4.04

FIN ANGLE(DEG) = -0.26

FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.3545
247	1.3555
347	1.3555
447	1.3565
547	1.3545
647	1.3555
747	1.3555

ORF	CP	ORF	CP	ORF	CP
1	0.2875	52	0.0765	102	-0.2935
2	-0.0405	53	-0.0595	103	-0.4935
3	-0.2195	54	-0.1255	104	-0.4675
4	-0.1385	55	0.0075	105	-0.4215
5	-0.1065	56	-0.0385	110	-0.0285
6	-0.1045	57	-0.0625	111	-0.0275
7	-0.0995	58	-0.0745	112	-0.0435
8	-0.0725	59	-0.0505	113	-0.0735
9	-0.0255	60	0.0095	114	-0.1595
10	0.0165	61	0.0515	115	-0.1325
11	0.0475	62	0.0775	116	-0.0515
12	0.0765	63	0.0685	117	-0.0305
13	0.0995	64	-0.1355	118	-0.0425
14	0.0105	65	-0.1365	119	-0.0425
15	-0.0915	66	-0.0215	120	0.0425
16	0.0585	67	-0.0455	121	-0.0485
17	-0.0825	68	-0.0745	122	-0.0775
18	-0.1215	69	-0.0785	123	-0.1495
19	-0.1095	70	-0.0405	124	-0.0825
20	-0.0875	71	0.0285	125	-0.0595
21	-0.0905	72	0.0815	126	-0.0395
22	-0.0565	73	0.0745	127	-0.0545
23	-0.0225	74	-0.1225	128	-0.1625
24	0.0225	75	-0.0945	129	-0.0925
25	0.0625	76	-0.0495	135	-0.0375
26	0.0785	77	-0.0675	136	-0.0435
27	0.0825	78	-0.0665	137	-0.0415
28	0.0005	79	-0.0165	138	0.0395
29	-0.1155	80	0.0615	139	0.0405
30	0.0085	81	0.0445	140	0.0415
32	-0.0935	82	-0.0735	141	0.0845
33	-0.1045	83	-0.1445	142	0.0815
34	-0.1085	84	-0.0565	143	0.0815
35	-0.0835	85	-0.0695	145	-0.0385
36	-0.0395	86	-0.0445	147	0.0815
37	0.0185	87	0.0585	151	0.1005
38	0.0565	88	0.1105	152	-0.0965
39	0.0735	89	-0.0765	153	-0.1925
40	0.0745	90	-0.3435	154	-0.3975
41	0.0035	91	0.0245	155	0.1745
42	-0.1295	92	0.0185	156	0.1245
43	0.0065	93	0.0125	157	-0.0315
44	-0.0365	94	0.0915	158	0.4845
45	-0.0695	95	-0.1035	159	0.2495
46	-0.0825	96	-0.2345	160	0.2165
47	-0.0745	97	-0.1735	161	0.1385
48	-0.0215	98	0.1875	162	0.4005
49	0.0255	99	0.2355	163	0.2965
50	0.0675	100	0.0495	164	0.0425
51	0.0835	101	-0.3245	165	0.0955

ORF	CP	ORF	CP	ORF	CP
166	0.4475	217	-0.0215	268	-0.2065
167	0.2825	218	0.0415	269	-0.0945
168	0.2505	219	0.0645	270	-0.0255
169	0.1575	220	0.0975	271	-0.2825
170	0.3105	221	-0.0765	272	-0.2835
171	0.1875	222	-0.0475	273	-0.0095
172	0.0405	223	0.2745	274	-0.0075
173	0.1175	224	0.3245	275	0.3575
174	0.0115	225	0.3425	276	0.4775
175	-0.1575	226	0.2485	277	0.3685
176	-0.3135	227	-0.4975	278	-0.4525
177	-0.1075	228	-0.4805	279	-0.3905
178	-0.2165	229	-0.3645	280	-0.2925
179	-0.1195	230	-0.1455	281	-0.1715
180	-0.3165	231	-0.0165	282	-0.0855
181	0.2655	232	0.0135	283	-0.0965
182	0.3955	233	0.0525	284	0.0205
183	0.4975	234	0.1105	285	0.1065
184	0.6725	235	0.0185	286	-0.3105
185	0.7405	236	0.0655	287	-0.1885
186	0.8405	237	0.2225	288	0.0275
187	0.9815	238	0.2055	289	-0.0015
188	1.1375	239	0.3685	290	-0.1515
189	1.2355	240	0.3065	291	-0.3395
190	0.4335	241	-0.5375	292	0.1985
191	-0.3085	242	-0.4665	325	0.5185
192	-0.3055	244	-0.2045	326	0.5585
193	-0.3055	245	-0.1025	327	0.5915
194	-0.3075	246	-0.0525	328	0.5975
195	-0.3095	247	0.0515	329	0.5995
196	-0.3265	248	0.1305	330	0.6295
197	-0.3075	249	0.1205	331	0.7855
198	-0.3105	250	0.0555	332	0.9305
199	-0.3145	251	-0.2995	333	1.0755
200	-0.3135	252	-0.3055	334	1.2335
201	-0.3045	253	0.4895	335	1.2965
202	-0.3045	254	0.4175	336	1.3305
203	-0.3045	255	-0.5255	337	1.3265
204	-0.3025	256	-0.4645	338	1.3205
205	0.2425	257	-0.4065	339	1.3165
206	0.2805	258	-0.3285	340	1.3545
207	0.2675	259	-0.1945	341	1.3955
208	0.2565	260	-0.0605	350	0.3095
210	0.3885	261	0.0455	351	0.3965
211	0.3935	262	0.1625	352	0.4895
212	0.3095	263	-0.0865	353	0.5905
213	-0.4085	264	-0.0705	354	0.5215
214	-0.3885	265	-0.1775	355	0.1335
215	-0.3225	266	-0.1175		
216	-0.2145	267	-0.1115		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 89
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 6.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.351
TUNNEL DYNAMIC PRESSURE(PSF) = 826.
TUNNEL STAGNATION PRESSURE(PSF) = 1921.
TUNNEL STATIC PRESSURE(PSF) = 646.
REYNOLDS NUMBER PER FOOT = 3.9700E 06
MODEL ANGLE OF ATTACK(DEG) = 7.96
FIN ANGLE(DEG) = -0.15
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 561.

SCANIVALE	CP(REF)
147	1.3569
247	1.3569
347	1.3569
447	1.3579
547	1.3569
647	1.3589
747	1.3589

ORF	CP	ORF	CP	ORF	CP
1	0.1949	52	-0.0401	102	-0.3101
2	-0.0461	53	-0.1751	103	-0.5231
3	-0.1221	54	-0.2091	104	-0.5001
4	-0.0441	55	-0.0851	105	-0.4591
5	-0.0011	56	-0.0261	110	0.0089
6	0.0269	57	-0.0081	111	0.0019
7	0.0359	58	-0.0101	112	-0.0131
8	0.0399	59	0.0029	113	-0.0521
9	0.0449	60	-0.0031	114	-0.1831
10	0.0409	61	-0.0111	115	-0.1281
11	0.0469	62	-0.0341	116	-0.0201
12	0.0499	63	-0.0821	117	-0.0321
13	0.0459	64	-0.2471	118	-0.0331
14	-0.0521	65	-0.2281	119	-0.0331
15	-0.1411	66	-0.2531	120	0.0449
16	0.0299	67	-0.1281	121	-0.0561
17	-0.0301	68	-0.0471	122	-0.0971
18	-0.0201	69	-0.0011	123	-0.1651
19	0.0159	70	-0.0041	124	-0.0881
20	0.0289	71	-0.0161	125	-0.0721
21	0.0349	72	-0.0431	126	-0.0481
22	0.0339	73	-0.1001	127	-0.0611
23	0.0309	74	-0.2581	128	-0.1481
24	0.0279	75	-0.2961	129	-0.0691
25	0.0329	76	-0.2291	135	-0.0451
26	0.0419	77	-0.1451	136	-0.0451
27	0.0239	78	-0.0721	137	-0.0401
28	-0.0571	79	-0.0321	138	0.0269
29	-0.1701	80	-0.0331	139	0.0309
30	0.0169	81	-0.0871	140	0.0319
32	0.0129	82	-0.2591	141	0.0559
33	0.0289	83	-0.2451	142	0.0609
34	0.0249	84	-0.2631	143	0.0639
35	0.0179	85	-0.1981	145	-0.0421
36	0.0149	86	-0.1391	147	0.0639
37	0.0119	87	-0.0911	151	0.1879
38	0.0199	88	-0.0661	152	-0.0061
39	0.0209	89	-0.2201	153	-0.1201
40	-0.0031	90	-0.3221	154	-0.3191
41	-0.0791	91	-0.2591	155	0.1229
42	-0.1971	92	-0.1931	156	0.2319
43	0.0219	93	-0.1461	157	0.0489
44	0.0179	94	-0.1211	158	0.6329
45	0.0059	95	-0.2441	159	0.3469
46	0.0009	96	-0.0991	160	0.3019
47	0.0019	97	-0.1761	161	0.2239
48	-0.0001	98	0.1779	162	0.5369
49	0.0059	99	0.2879	163	0.4369
50	0.0069	100	0.0529	164	0.0289
51	-0.0051	101	-0.3321	165	0.1899

ORF	CP	ORF	CP	ORF	CP
166	0.6009	217	-0.2611	268	-0.255
167	0.4309	218	-0.1761	269	-0.1611
168	0.3819	219	-0.0791	270	-0.1171
169	0.2849	220	0.0749	271	-0.2901
170	0.2249	221	-0.0391	272	-0.2861
171	0.3439	222	0.0039	273	-0.0901
172	0.1459	223	0.3149	274	-0.0881
173	0.2249	224	0.4119	275	0.2589
174	0.0739	225	0.4439	276	0.3749
175	-0.0591	226	0.3539	277	0.2909
176	-0.3191	227	-0.5461	278	-0.3801
177	-0.0231	228	-0.4941	279	-0.3141
178	-0.1071	229	-0.4521	280	-0.2001
179	-0.0661	230	-0.3581	281	-0.0781
180	-0.3251	231	-0.2331	282	0.0009
181	0.1159	232	-0.1471	283	0.0309
182	0.3199	233	-0.0981	284	0.0589
183	0.4629	234	0.1539	285	0.0649
184	0.5729	235	-0.0011	286	-0.3281
185	0.5939	236	0.1369	287	-0.1681
186	0.6289	237	0.3319	288	-0.0551
187	0.6899	238	0.2979	289	-0.0781
188	0.7529	239	0.3889	290	-0.2301
189	0.8569	240	0.3369	291	-0.3351
190	0.4489	241	-0.5401	292	0.4309
191	-0.3201	242	-0.4651	325	0.6369
192	-0.3151	244	-0.2631	326	0.7379
193	-0.3151	245	-0.1981	327	0.7539
194	-0.3161	246	-0.1771	328	0.7629
195	-0.3261	247	0.0079	329	0.7809
196	-0.3271	248	0.1269	330	0.8099
197	-0.3171	249	0.1179	331	0.9249
198	-0.3171	250	0.0679	332	0.9749
199	-0.3161	251	-0.3111	333	1.0219
200	-0.3271	252	-0.3921	334	1.0189
201	-0.3151	253	0.3839	335	1.0479
202	-0.3141	254	0.3029	336	1.1169
203	-0.3141	255	-0.5481	337	1.2519
204	-0.3141	256	-0.4881	338	1.3419
205	0.2319	257	-0.4311	339	1.4039
206	0.2539	258	-0.2881	340	1.4259
207	0.2569	259	-0.0851	341	1.4329
208	0.2439	260	-0.0031	350	0.4789
210	0.4979	261	0.0449	351	0.5869
211	0.5299	262	0.0999	352	0.6439
212	0.4359	263	-0.0831	353	0.6589
213	-0.3881	264	-0.1561	354	0.6389
214	-0.3891	265	-0.2701	355	0.5989
215	-0.3481	266	-0.1881		
216	-0.2961	267	-0.1351		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 90
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 6.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.349
TUNNEL DYNAMIC PRESSURE(PSF) = 825.
TUNNEL STAGNATION PRESSURE(PSF) = 1920.
TUNNEL STATIC PRESSURE(PSF) = 648.
REYNOLDS NUMBER PER FOOT = 3.9740E 06
MODEL ANGLE OF ATTACK(DEG) = 14.15
FIN ANGLE(DEG) = -0.23
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.3555
247	1.3555
347	1.3555
447	1.3565
547	1.3535
647	1.3555
747	1.3555

ORF	CP	ORF	CP	ORF	CP
1	0.0735	52	-0.0655	102	-0.3535
2	-0.1525	53	-0.1875	103	-0.5335
3	-0.1915	54	-0.2285	104	-0.5065
4	-0.1255	55	-0.1115	105	-0.4625
5	-0.0745	56	-0.0805	110	0.0665
6	-0.0705	57	-0.0555	111	0.0555
7	-0.0685	58	-0.0415	112	0.0425
8	-0.0655	59	-0.0335	113	-0.0065
9	-0.0545	60	-0.0335	114	-0.2405
10	-0.0375	61	-0.0465	115	-0.0575
11	-0.0275	62	-0.0705	116	0.0865
12	-0.0155	63	-0.1095	117	0.0025
13	-0.0215	64	-0.2675	118	-0.0055
14	-0.1025	65	-0.2595	119	-0.0135
15	-0.1865	66	-0.2435	120	0.0035
16	-0.0855	67	-0.1515	121	-0.1145
17	-0.1075	68	-0.1095	122	-0.1795
18	-0.0825	69	-0.0695	123	-0.2115
19	-0.0655	70	-0.0725	124	-0.1625
20	-0.0675	71	-0.0805	125	-0.1435
21	-0.0625	72	-0.1045	126	-0.1245
22	-0.0545	73	-0.1485	127	-0.1305
23	-0.0535	74	-0.2925	128	-0.2305
24	-0.0375	75	-0.3315	129	-0.1265
25	-0.0275	76	-0.2655	135	-0.1035
26	-0.0225	77	-0.1975	136	-0.1005
27	-0.0385	78	-0.1585	137	-0.1055
28	-0.1115	79	-0.1335	138	-0.0015
29	-0.2125	80	-0.1335	139	0.0005
30	-0.0635	81	-0.1885	140	-0.0015
32	-0.0605	82	-0.3095	141	0.0935
33	-0.0655	83	-0.2935	142	0.0915
34	-0.0635	84	-0.3385	143	0.0835
35	-0.0575	85	-0.2815	145	-0.1045
36	-0.0475	86	-0.2315	147	0.0935
37	-0.0345	87	-0.2015	151	0.4045
38	-0.0285	88	-0.1935	152	0.1255
39	-0.0305	89	-0.2765	153	-0.0635
40	-0.0545	90	-0.4005	154	-0.2425
41	-0.1165	91	-0.3785	155	0.2625
42	-0.2325	92	-0.3165	156	0.3165
43	-0.0565	93	-0.2735	157	0.1535
44	-0.0425	94	-0.2085	158	0.4505
45	-0.0435	95	-0.3305	159	0.5315
46	-0.0425	96	-0.1535	160	0.4495
47	-0.0345	97	-0.2515	161	0.3405
48	-0.0245	98	0.1185	162	0.4675
49	-0.0195	99	0.2025	163	0.5085
50	-0.0215	100	0.0065	164	-0.0015
51	-0.0365	101	-0.3895	165	0.2595

ORF	CP	ORF	CP	ORF	CP
166	0.5445	217	-0.1855	268	-0.2725
167	0.5245	218	-0.1435	269	-0.2695
168	0.4245	219	-0.1615	270	-0.1975
169	0.3045	220	-0.1915	271	-0.3355
170	0.3205	221	-0.0235	272	-0.3255
171	0.4425	222	-0.0365	273	-0.1575
172	0.2315	223	0.2525	274	-0.1475
173	0.3385	224	0.2935	275	0.2285
174	0.1885	225	0.5095	276	0.2625
175	0.0225	226	0.4395	277	0.1725
176	-0.2255	227	-0.5015	278	-0.4215
177	0.1565	228	-0.4385	279	-0.3845
178	0.0825	229	-0.3765	280	-0.2985
179	0.1035	230	-0.2745	281	-0.1925
180	-0.3465	231	-0.2365	282	-0.0645
181	-0.0645	232	-0.1905	283	-0.0545
182	0.1905	233	-0.2065	284	-0.0195
183	0.7965	234	-0.2295	285	0.0075
184	1.2165	235	-0.1165	286	-0.3715
185	1.2835	236	0.2075	287	-0.2325
186	1.3215	237	0.3525	288	-0.1045
187	1.3605	238	0.3575	289	-0.1255
188	1.3685	239	0.3755	290	-0.3285
189	1.3525	240	0.3545	291	-0.3345
190	0.6945	241	-0.5145	292	0.5635
191	-0.3405	242	-0.4385	325	0.7785
192	-0.3365	244	-0.3765	326	1.0495
193	-0.3365	245	-0.3735	327	1.1515
194	-0.3345	246	-0.3465	328	1.1815
195	-0.3445	247	-0.1615	329	1.1845
196	-0.3415	248	0.0335	330	1.1585
197	-0.3385	249	0.1045	331	1.1515
198	-0.3355	250	0.0295	332	1.1135
199	-0.3375	251	-0.3315	333	1.0715
200	-0.3535	252	-0.4485	334	0.9795
201	-0.3345	253	0.2765	335	0.9365
202	-0.3345	254	0.1825	336	0.9135
203	-0.3345	255	-0.5575	337	0.8685
204	-0.3345	256	-0.5105	338	0.7775
205	0.0875	257	-0.4465	339	0.7345
206	0.1355	258	-0.2485	340	0.7185
207	0.1235	259	-0.1265	341	0.7555
208	0.0855	260	-0.0935	350	0.6455
210	0.4665	261	-0.0305	351	0.6735
211	0.6345	262	0.0455	352	0.7015
212	0.5495	263	-0.1445	353	0.7085
213	-0.3355	264	-0.1525	354	0.6825
214	-0.2925	265	-0.3285	355	0.6425
215	-0.2355	266	-0.3095		
216	-0.1925	267	-0.1835		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 91
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 6.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.352
TUNNEL DYNAMIC PRESSURE(PSF) = 825.
TUNNEL STAGNATION PRESSURE(PSF) = 1920.
TUNNEL STATIC PRESSURE(PSF) = 645.
REYNOLDS NUMBER PER FOOT = 3.9740E 06
MODEL ANGLE OF ATTACK(DEG) = 0.07
FIN ANGLE(DEG) = -0.50
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.3592
247	1.3592
347	1.3602
447	1.3602
547	1.3572
647	1.3592
747	1.3582

ORF	CP	ORF	CP	ORF	CP
1	0.3722	52	0.2002	102	-0.3238
2	0.0302	53	0.0532	103	-0.4628
3	-0.2638	54	-0.0838	104	-0.4448
4	-0.2378	55	0.0832	105	-0.3898
5	-0.1648	56	0.0382	110	-0.0348
6	-0.0228	57	0.0952	111	-0.0308
7	0.0892	58	0.1952	112	-0.0288
8	0.1202	59	0.2052	113	-0.0728
9	0.1382	60	0.2112	114	-0.1458
10	0.1432	61	0.2052	115	-0.1148
11	0.1522	62	0.2102	116	-0.0538
12	0.1652	63	0.1952	117	-0.0288
13	0.1712	64	-0.0568	118	-0.0298
14	0.0892	65	-0.0728	119	-0.0298
15	-0.0148	66	0.1032	120	0.0632
16	0.1032	67	0.1092	121	-0.0328
17	-0.0758	68	0.2052	122	-0.1138
18	-0.2058	69	0.2182	123	-0.1448
19	-0.2068	70	0.2172	124	-0.0708
20	-0.0498	71	0.2212	125	-0.0458
21	0.1062	72	0.2162	126	-0.0238
22	0.1472	73	0.1822	127	-0.0378
23	0.1552	74	-0.0728	128	-0.1658
24	0.1542	75	0.1732	129	-0.0918
25	0.1682	76	0.2242	135	-0.0228
26	0.1662	77	0.2332	136	-0.0278
27	0.1732	78	0.2302	137	-0.0298
28	0.0992	79	0.2362	138	0.0322
29	-0.0508	80	0.2182	139	0.0322
30	0.0402	81	0.1542	140	0.0342
32	-0.1288	82	-0.0988	141	0.0862
33	-0.1238	83	0.1912	142	0.0732
34	0.0802	84	0.2442	143	0.0782
35	0.1582	85	0.2382	145	-0.0278
36	0.1732	86	0.2122	147	0.0772
37	0.1722	87	0.1692	151	0.1952
38	0.1792	88	0.1472	152	-0.0528
39	0.1832	89	-0.0928	153	-0.1528
40	0.1842	90	0.2512	154	-0.3878
41	0.1252	91	0.1592	155	0.2182
42	-0.0968	92	0.1532	156	0.2562
43	0.0522	93	0.1832	157	0.0712
44	-0.0068	94	0.1482	158	0.6262
45	0.0072	95	-0.0918	159	0.4492
46	0.0862	96	-0.2688	160	0.3902
47	0.1822	97	-0.0868	161	0.3092
48	0.2032	98	0.0292	162	0.5502
49	0.2032	99	0.2052	163	0.4792
50	0.2112	100	0.1692	164	0.0342
51	0.2082	101	-0.3618	165	0.2402

ORF	CP	ORF	CP	ORF	CP
166	0.6172	217	-0.1628	268	-0.1738
167	0.4372	218	0.0452	269	-0.1328
168	0.4052	219	0.1342	270	-0.0068
169	0.2942	220	0.1822	271	-0.3028
170	0.4182	221	-0.0038	272	-0.2818
171	0.3082	222	-0.0068	273	-0.0068
172	0.1462	223	0.3322	274	0.0342
173	0.1782	224	0.4302	275	0.4222
174	0.0802	225	0.4002	276	0.5452
175	-0.1558	226	0.3062	277	0.4572
176	-0.2858	227	-0.5458	278	-0.4158
177	-0.0438	228	-0.4908	279	-0.3648
178	-0.1648	229	-0.4278	280	-0.2908
179	-0.1368	230	-0.2078	281	-0.2378
180	-0.3148	231	0.0012	282	-0.1408
181	0.3372	232	0.0522	283	0.0352
182	0.4592	233	0.1252	284	0.1572
183	0.5212	234	0.1862	285	0.1822
184	0.7222	235	0.0732	286	-0.3438
185	0.7632	236	0.1172	287	-0.1608
186	0.8022	237	0.3092	288	0.0572
187	0.8472	238	0.2532	289	0.0512
188	0.9202	239	0.3762	290	-0.1578
189	0.9672	240	0.3002	291	-0.4638
190	0.3702	241	-0.3418	292	0.2232
191	-0.2958	242	-0.3028	325	0.4752
192	-0.3028	244	-0.0578	326	0.5132
193	-0.3028	245	0.0252	327	0.5412
194	-0.3048	246	0.0492	328	0.5432
195	-0.3028	247	0.1152	329	0.5382
196	-0.3098	248	0.1692	330	0.5182
197	-0.3058	249	0.1652	331	0.5322
198	-0.3088	250	0.0842	332	0.5632
199	-0.3128	251	-0.2978	333	0.6072
200	-0.3078	252	-0.2848	334	0.8302
201	-0.3048	253	0.4082	335	1.0992
202	-0.2998	254	0.3322	336	1.3762
203	-0.3018	255	-0.5408	337	1.4662
204	-0.3038	256	-0.4728	338	1.4802
205	0.3362	257	-0.4148	339	1.4732
206	0.3702	258	-0.2408	340	1.4732
207	0.3752	259	0.0212	341	1.4842
208	0.3752	260	0.0632	350	0.0022
210	0.4652	261	0.1312	351	0.1972
211	0.5012	262	0.2082	352	0.2302
212	0.4182	263	0.0172	353	0.1982
213	-0.3738	264	-0.0378	354	0.0572
214	-0.3468	265	-0.1668	355	0.0582
215	-0.2968	266	-0.1288		
216	-0.2418	267	-0.0508		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 92
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 9.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.333
TUNNEL DYNAMIC PRESSURE(PSF) = 1732.
TUNNEL STAGNATION PRESSURE(PSF) = 4037.
TUNNEL STATIC PRESSURE(PSF) = 1393.
REYNOLDS NUMBER PER FOOT = 7.6980E 06
MODEL ANGLE OF ATTACK(DEG) = -14.38
FIN ANGLE(DEG) = -0.11
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 597.

SCANIVALE	CP(REF)
147	0.5647
247	0.5627
347	0.5627
447	0.5637
547	0.5637
647	0.5637
747	0.5637

ORF	CP	ORF	CP	ORF	CP
1	0.6957	52	0.5087	102	-0.1893
2	0.4377	53	0.2667	103	-0.4163
3	0.4457	54	0.2367	104	-0.3973
4	0.5057	55	0.8357	105	-0.3213
5	0.5447	56	0.7907	110	-0.0283
6	0.5747	57	0.7587	111	-0.0033
7	0.5947	58	0.7177	112	0.0037
8	0.5997	59	0.6867	113	-0.0363
9	0.5997	60	0.6547	114	-0.2463
10	0.6057	61	0.6077	115	-0.1113
11	0.5937	62	0.5577	116	0.0767
12	0.5827	63	0.4757	117	0.0067
13	0.5477	64	0.0977	118	-0.0083
14	0.3907	65	0.1977	119	-0.0023
15	0.2937	66	0.8347	120	-0.0423
16	0.6117	67	0.7907	121	-0.1233
17	0.5837	68	0.7437	122	-0.1933
18	0.6027	69	0.6957	123	-0.2463
19	0.6117	70	0.6517	124	-0.1553
20	0.6237	71	0.6047	125	-0.1393
21	0.6297	72	0.5367	126	-0.1143
22	0.6267	73	0.4267	127	-0.1283
23	0.6267	74	0.1647	128	-0.2163
24	0.6167	75	0.8407	129	-0.1243
25	0.6067	76	0.7647	135	-0.1013
26	0.5867	77	0.7077	136	-0.1013
27	0.5407	78	0.6417	137	-0.1063
28	0.4017	79	0.5727	138	-0.0033
29	0.2727	80	0.4877	139	0.0107
30	0.7247	81	0.3257	140	0.0107
32	0.6807	82	0.1187	141	0.1227
33	0.6737	83	0.7827	142	0.1167
34	0.6637	84	0.7187	143	0.1197
35	0.6607	85	0.6437	145	-0.1033
36	0.6497	86	0.5467	147	0.1207
37	0.6377	87	0.4527	151	0.5727
38	0.6187	88	0.3217	152	0.2867
39	0.5897	89	0.0717	153	0.0837
40	0.5407	90	0.7147	154	-0.1473
41	0.4227	91	0.5317	155	0.5007
42	0.2617	92	0.4277	156	0.5107
43	0.8087	93	0.3487	157	0.3017
44	0.7647	94	0.2787	158	0.8877
45	0.7327	95	0.0017	159	0.6917
46	0.7117	96	-0.3613	160	0.6097
47	0.6927	97	-0.1363	161	0.4897
48	0.6697	98	-0.8043	162	0.8547
49	0.6457	99	-0.8043	163	0.7387
50	0.6127	100	-0.8043	164	-0.0073
51	0.5667	101	-0.2173	165	0.4287

ORF	CP	ORF	CP	ORF	CP
166	0.9437	217	-0.1173	268	0.0347
167	0.7007	218	0.2887	269	0.0557
168	0.6497	219	0.5487	270	0.1577
169	0.5217	220	0.5457	271	-0.0813
170	0.6207	221	0.2467	272	-0.1143
171	0.6147	222	0.3117	273	0.1787
172	0.3927	223	0.7107	274	0.1807
173	0.5327	224	0.7667	275	0.4987
174	0.3397	225	0.6897	276	0.7867
175	0.1707	226	0.5787	277	0.7467
176	-0.1233	227	-0.8043	278	0.0387
177	0.2897	228	-0.4163	279	0.1867
178	0.1967	229	-0.3473	280	0.2847
179	0.2377	230	-0.1933	281	0.4427
180	-0.3683	231	-0.0003	282	0.5367
181	0.8057	232	0.3557	283	0.5667
182	0.9037	233	0.5427	284	0.6027
183	0.1397	234	0.5537	285	0.5527
184	0.2877	235	0.3797	286	-0.2023
185	0.4337	236	0.4387	287	-0.0573
186	0.8107	237	0.6457	288	0.2397
187	1.0997	238	0.6817	289	0.2137
188	1.2307	239	0.6497	290	-0.0003
189	1.2907	240	0.5987	291	-0.8043
190	0.5227	241	-0.8043	292	0.0387
191	-0.3433	242	-0.3433	325	0.8707
192	-0.3483	244	-0.0033	326	0.9687
193	-0.3493	245	0.2747	327	1.0637
194	-0.3523	246	0.4337	328	1.1347
195	-0.3333	247	0.5287	329	1.2327
196	-0.3993	248	0.5427	330	1.3237
197	-0.3553	249	0.5117	331	1.4167
198	-0.3693	250	-0.0093	332	1.4477
199	-0.3923	251	-0.3523	333	1.4587
200	-0.3443	252	-0.1633	334	1.4867
201	-0.3473	253	0.7537	335	1.4997
202	-0.3503	254	0.6847	336	1.5147
203	-0.3513	255	-0.4153	337	1.5187
204	-0.3483	256	-0.2843	338	1.5187
205	0.0817	257	-0.1053	339	1.5187
206	0.1777	258	0.1167	340	1.5177
207	0.0517	259	0.3707	341	1.5197
208	0.1167	260	0.5027	350	0.1857
210	0.7297	261	0.5647	351	0.2667
211	0.7737	262	0.5627	352	0.1427
212	0.6687	263	0.3127	353	0.0097
213	-0.3533	264	0.1947	354	-0.0603
214	-0.3103	265	-0.0113	355	-0.0603
215	-0.2743	266	0.0397		
216	-0.1973	267	0.2447		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 93
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 9.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.342
TUNNEL DYNAMIC PRESSURE(PSF) = 1733.
TUNNEL STAGNATION PRESSURE(PSF) = 4035.
TUNNEL STATIC PRESSURE(PSF) = 1374.
REYNOLDS NUMBER PER FOOT = 7.6810E 06
MODEL ANGLE OF ATTACK(DEG) = -8.18
FIN ANGLE(DEG) = -0.24
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 597.

SCANIVALE	CP(REF)
147	0.5742
247	0.5742
347	0.5752
447	0.5752
547	0.5722
647	0.5732
747	0.5722

ORF	CP	ORF	CP	ORF	CP
1	0.5872	52	0.4242	102	-0.2238
2	0.3452	53	0.2192	103	-0.4308
3	0.2802	54	0.0852	104	-0.4048
4	0.3032	55	0.6152	105	-0.3488
5	0.3262	56	0.5922	110	0.0032
6	0.3572	57	0.5802	111	-0.0018
7	0.3852	58	0.5592	112	-0.0048
8	0.4052	59	0.5432	113	-0.0628
9	0.4222	60	0.5302	114	-0.1768
10	0.4332	61	0.5002	115	-0.0888
11	0.4422	62	0.4642	116	0.0002
12	0.4412	63	0.4022	117	0.0092
13	0.4262	64	0.0562	118	-0.0158
14	0.2912	65	0.0802	119	-0.0168
15	0.1952	66	0.6472	120	0.0082
16	0.4412	67	0.6182	121	-0.0558
17	0.3612	68	0.5912	122	-0.2038
18	0.3512	69	0.5602	123	-0.1768
19	0.3692	70	0.5352	124	-0.1058
20	0.4042	71	0.4992	125	-0.0758
21	0.4152	72	0.4532	126	-0.0508
22	0.4322	73	0.3672	127	-0.0678
23	0.4532	74	0.0652	128	-0.1978
24	0.4562	75	0.6732	129	-0.1088
25	0.4612	76	0.6142	135	-0.0498
26	0.4542	77	0.5802	136	-0.0508
27	0.4262	78	0.5382	137	-0.0568
28	0.3172	79	0.4822	138	0.0362
29	0.1722	80	0.4102	139	0.0402
30	0.4562	81	0.2732	140	0.0352
32	0.4392	82	0.0212	141	0.0862
33	0.4422	83	0.6312	142	0.0862
34	0.4502	84	0.5932	143	0.0812
35	0.4682	85	0.5312	145	-0.0558
36	0.4792	86	0.4472	147	0.0812
37	0.4852	87	0.3612	151	0.4792
38	0.4842	88	0.2582	152	0.2202
39	0.4702	89	-0.0278	153	0.0592
40	0.4362	90	0.5892	154	-0.1668
41	0.3442	91	0.4042	155	0.3692
42	0.1252	92	0.3202	156	0.5132
43	0.5502	93	0.2562	157	0.2862
44	0.5202	94	0.2092	158	0.8552
45	0.5082	95	-0.0888	159	0.6422
46	0.5162	96	-0.2058	160	0.5732
47	0.5222	97	-0.0428	161	0.4632
48	0.5132	98	-0.1538	162	0.7812
49	0.5112	99	-0.3058	163	0.6842
50	0.4982	100	-0.2818	164	0.0382
51	0.4682	101	-0.2488	165	0.3982

ORF	CP	ORF	CP	ORF	CP
166	0.8452	217	-0.0638	268	-0.0188
167	0.6462	218	0.0412	269	-0.0158
168	0.6092	219	0.3422	270	0.1062
169	0.4782	220	0.4452	271	-0.1418
170	0.5932	221	0.1682	272	-0.1658
171	0.5332	222	0.2562	273	0.1182
172	0.3302	223	0.6242	274	0.1392
173	0.4452	224	0.6912	275	0.3092
174	0.2822	225	0.5722	276	0.6742
175	0.0992	226	0.4842	277	0.6312
176	-0.1568	227	-0.7928	278	-0.0158
177	0.2122	228	-0.3998	279	0.1362
178	0.1152	229	-0.2968	280	0.2132
179	0.0982	230	-0.1038	281	0.2752
180	-0.3398	231	-0.0408	282	0.3162
181	0.3742	232	0.0602	283	0.3442
182	0.4742	233	0.3662	284	0.4302
183	0.2082	234	0.4572	285	0.4222
184	0.2862	235	0.3172	286	-0.2408
185	0.3662	236	0.3592	287	-0.0558
186	0.4982	237	0.5492	288	0.1802
187	0.5642	238	0.5782	289	0.1702
188	0.6212	239	0.5892	290	-0.0498
189	0.6932	240	0.5352	291	-0.7928
190	0.3352	241	-0.7928	292	0.1262
191	-0.3108	242	-0.3458	325	0.7882
192	-0.3178	244	-0.0898	326	0.8382
193	-0.3198	245	0.0332	327	0.9082
194	-0.3318	246	0.2002	328	0.9772
195	-0.3048	247	0.3852	329	1.0352
196	-0.3458	248	0.4452	330	1.1232
197	-0.3288	249	0.4342	331	1.3682
198	-0.3378	250	0.0342	332	1.4872
199	-0.3438	251	-0.3198	333	1.5052
200	-0.3118	252	-0.1748	334	1.4932
201	-0.3128	253	0.6232	335	1.4872
202	-0.3178	254	0.5762	336	1.5012
203	-0.3228	255	-0.7928	337	1.5082
204	-0.3158	256	-0.2808	338	1.5122
205	0.2642	257	-0.1898	339	1.5152
206	0.2872	258	-0.0318	340	1.5192
207	0.2842	259	0.2412	341	1.5212
208	0.3152	260	0.3162	350	0.2772
210	0.5752	261	0.4112	351	0.3142
211	0.6652	262	0.4502	352	0.2622
212	0.5822	263	0.2262	353	-0.0358
213	-0.3468	264	0.1422	354	-0.0458
214	-0.2558	265	-0.0388	355	-0.0118
215	-0.2288	266	-0.0248		
216	-0.1518	267	0.1612		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 94
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 9.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.343
TUNNEL DYNAMIC PRESSURE(PSF) = 1735.
TUNNEL STAGNATION PRESSURE(PSF) = 4038.
TUNNEL STATIC PRESSURE(PSF) = 1374.
REYNOLDS NUMBER PER FOOT = 7.6620E 06
MODEL ANGLE OF ATTACK(DEG) = -3.96
FIN ANGLE(DEG) = -0.34
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 598.

SCAN VALUE	CP(REF)
147	0.5741
247	0.5731
347	0.5741
447	0.5741
547	0.5731
647	0.5731
747	0.5751

ORF	CP	ORF	CP	ORF	CP
1	0.3151	52	0.2521	102	-0.2339
2	0.1391	53	0.1091	103	-0.4329
3	0.1241	54	-0.0349	104	-0.4079
4	0.1811	55	0.3751	105	-0.3479
5	0.1901	56	0.3591	110	-0.0299
6	0.1991	57	0.3421	111	-0.0419
7	0.2031	58	0.3251	112	-0.0219
8	0.2131	59	0.3071	113	-0.0879
9	0.2211	60	0.3161	114	-0.1619
10	0.2241	61	0.3071	115	-0.0929
11	0.2211	62	0.3001	116	-0.0339
12	0.2221	63	0.2701	117	-0.0129
13	0.2111	64	-0.0139	118	-0.0319
14	0.1051	65	-0.0129	119	-0.0329
15	0.0331	66	0.3881	120	0.0221
16	0.2421	67	0.3681	121	-0.0469
17	0.2241	68	0.3691	122	-0.1879
18	0.2141	69	0.3371	123	-0.1629
19	0.2141	70	0.3291	124	-0.0779
20	0.2161	71	0.3221	125	-0.0539
21	0.2231	72	0.3081	126	-0.0259
22	0.2311	73	0.2691	127	-0.0459
23	0.2291	74	-0.0119	128	-0.1849
24	0.2421	75	0.4171	129	-0.0989
25	0.2391	76	0.4021	135	-0.0409
26	0.2321	77	0.3731	136	-0.0489
27	0.2131	78	0.3661	137	-0.0499
28	0.1251	79	0.3461	138	0.0571
29	0.0231	80	0.3041	139	0.0571
30	0.2901	81	0.2041	140	0.0561
32	0.2571	82	-0.0579	141	0.0751
33	0.2461	83	0.3881	142	0.0791
34	0.2431	84	0.3971	143	0.0751
35	0.2451	85	0.3751	145	-0.0499
36	0.2551	86	0.3151	147	0.0741
37	0.2541	87	0.2391	151	0.3621
38	0.2551	88	0.1721	152	0.1081
39	0.2451	89	-0.0979	153	-0.0259
40	0.2261	90	0.4131	154	-0.2669
41	0.1641	91	0.2531	155	0.2871
42	-0.0119	92	0.1841	156	0.4261
43	0.3371	93	0.1471	157	0.2331
44	0.3191	94	0.1401	158	0.7731
45	0.2981	95	-0.1349	159	0.5631
46	0.2871	96	-0.1679	160	0.5211
47	0.2851	97	-0.0899	161	0.4281
48	0.2801	98	-0.0459	162	0.7091
49	0.2791	99	-0.0139	163	0.6061
50	0.2821	100	0.0481	164	0.0571
51	0.2711	101	-0.2759	165	0.3351

ORF	CP	ORF	CP	ORF	CP
166	0.7281	217	-0.0259	268	-0.0849
167	0.5611	218	0.0181	269	-0.0389
168	0.5131	219	0.1771	270	-0.0009
169	0.3821	220	0.2761	271	-0.1859
170	0.5581	221	0.0801	272	-0.1869
171	0.4301	222	0.1221	273	0.0281
172	0.2441	223	0.5001	274	0.0381
173	0.3351	224	0.5661	275	0.3871
174	0.2021	225	0.4811	276	0.4341
175	-0.0109	226	0.3981	277	0.3551
176	-0.2109	227	-0.7919	278	-0.1279
177	0.1031	228	-0.3749	279	-0.0749
178	-0.0049	229	-0.2419	280	0.0001
179	-0.0199	230	-0.0799	281	0.1341
180	-0.3249	231	-0.0499	282	0.1881
181	0.5141	232	0.0431	283	0.1971
182	0.6341	233	0.1831	284	0.2221
183	0.3801	234	0.2841	285	0.2121
184	0.5151	235	0.1731	286	-0.2669
185	0.6301	236	0.2471	287	-0.0529
186	0.7341	237	0.4371	288	0.0841
187	0.8381	238	0.4311	289	0.0741
188	0.9311	239	0.4741	290	-0.1039
189	1.0361	240	0.4101	291	-0.7919
190	0.3671	241	-0.7919	292	0.1661
191	-0.2909	242	-0.4199	325	0.6721
192	-0.3049	244	-0.0849	326	0.7021
193	-0.3039	245	0.0541	327	0.7161
194	-0.3129	246	0.1081	328	0.7361
195	-0.2919	247	0.1961	329	0.7591
196	-0.3299	248	0.2631	330	0.7841
197	-0.3109	249	0.2681	331	0.9371
198	-0.3179	250	0.0451	332	1.0961
199	-0.3239	251	-0.2999	333	1.2961
200	-0.2989	252	-0.2229	334	1.4691
201	-0.3009	253	0.4131	335	1.4881
202	-0.3059	254	0.3291	336	1.5051
203	-0.3059	255	-0.2409	337	1.5011
204	-0.3029	256	-0.1649	338	1.4981
205	0.3161	257	-0.0879	339	1.4941
206	0.3641	258	0.0641	340	1.4911
207	0.3591	259	0.1401	341	1.4971
208	0.3361	260	0.1611	350	0.2281
210	0.4741	261	0.2021	351	0.2411
211	0.5761	262	0.2331	352	0.1821
212	0.4821	263	0.0781	353	0.0021
213	-0.3519	264	0.0261	354	-0.0829
214	-0.2489	265	-0.0759	355	-0.0009
215	-0.1799	266	-0.0689		
216	-0.1139	267	0.0231		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 95
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 9.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.341
TUNNEL DYNAMIC PRESSURE(PSF) = 1736.
TUNNEL STAGNATION PRESSURE(PSF) = 4042.
TUNNEL STATIC PRESSURE(PSF) = 1379.
REYNOLDS NUMBER PER FOOT = 7.6660E 06
MODEL ANGLE OF ATTACK(DEG) = 0.07
FIN ANGLE(DEG) = -0.36
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 599.

SCANVALUE	CP(REF)
147	0.5696
247	0.5696
347	0.5696
447	0.5696
547	0.5656
647	0.5666
747	0.5676

ORF	CP	ORF	CP	ORF	CP
1	0.3876	52	0.2026	102	-0.2894
2	0.0596	53	0.0576	103	-0.4444
3	-0.2044	54	-0.0664	104	-0.4224
4	-0.1914	55	0.0826	105	-0.3794
5	-0.1544	56	0.0366	110	-0.0294
6	-0.0484	57	0.0466	111	-0.0274
7	0.0406	58	0.0826	112	-0.0284
8	0.0996	59	0.1756	113	-0.0684
9	0.1216	60	0.1946	114	-0.1584
10	0.1396	61	0.2096	115	-0.1124
11	0.1526	62	0.2146	116	-0.0514
12	0.1706	63	0.2016	117	-0.0234
13	0.1866	64	-0.0204	118	-0.0384
14	0.0956	65	-0.0224	119	-0.0464
15	0.0146	66	0.0846	120	0.0316
16	0.1386	67	0.0776	121	-0.0394
17	-0.0434	68	0.1176	122	-0.1674
18	-0.1574	69	0.1676	123	-0.1584
19	-0.1574	70	0.2116	124	-0.0704
20	-0.0574	71	0.2576	125	-0.0424
21	0.0376	72	0.2726	126	-0.0184
22	0.1216	73	0.2176	127	-0.0344
23	0.1446	74	-0.0304	128	-0.1674
24	0.1586	75	0.1216	129	-0.0914
25	0.1736	76	0.1606	135	-0.0274
26	0.1846	77	0.2256	136	-0.0294
27	0.1916	78	0.2786	137	-0.0334
28	0.1276	79	0.2706	138	0.0326
29	-0.0204	80	0.2626	139	0.0376
30	0.0766	81	0.1836	140	0.0396
32	-0.1024	82	-0.0574	141	0.0936
33	-0.0944	83	0.1416	142	0.0976
34	0.0136	84	0.2436	143	0.0856
35	0.1126	85	0.2516	145	-0.0304
36	0.1576	86	0.2586	147	0.0906
37	0.1746	87	0.2406	151	0.2226
38	0.1786	88	0.1876	152	-0.0424
39	0.1866	89	-0.0774	153	-0.1414
40	0.2016	90	0.2616	154	-0.3944
41	0.1476	91	0.2256	155	0.2236
42	-0.0704	92	0.2426	156	0.2746
43	0.0646	93	0.2186	157	0.0886
44	-0.0024	94	0.2006	158	0.6396
45	-0.0224	95	-0.0834	159	0.4536
46	0.0276	96	-0.2264	160	0.4036
47	0.1196	97	-0.0834	161	0.3166
48	0.1696	98	0.0546	162	0.5676
49	0.1926	99	0.2116	163	0.4926
50	0.1946	100	0.1706	164	0.0316
51	0.2046	101	-0.3254	165	0.2416

ORF	CP	ORF	CP	ORF	CP
166	0.6396	217	-0.1434	268	-0.1684
167	0.4426	218	0.0306	269	-0.1514
168	0.4046	219	0.1216	270	-0.0024
169	0.2986	220	0.1796	271	-0.2914
170	0.4336	221	-0.0004	272	-0.2744
171	0.3216	222	0.0006	273	-0.0074
172	0.1636	223	0.3466	274	0.0496
173	0.1866	224	0.4446	275	0.3966
174	0.0876	225	0.4056	276	0.5456
175	-0.1434	226	0.3046	277	0.4606
176	-0.2704	227	-0.7944	278	-0.4074
177	-0.0484	228	-0.7944	279	-0.3344
178	-0.1454	229	-0.4294	280	-0.2724
179	-0.1574	230	-0.2174	281	-0.2074
180	-0.3174	231	-0.0124	282	-0.1404
181	0.3576	232	0.0296	283	-0.0114
182	0.4736	233	0.1076	284	0.1296
183	0.5506	234	0.1806	285	0.1756
184	0.7116	235	0.0816	286	-0.3384
185	0.7576	236	0.1166	287	-0.1804
186	0.7906	237	0.3096	288	0.0656
187	0.8376	238	0.2676	289	0.0586
188	0.9286	239	0.3756	290	-0.1304
189	0.9726	240	0.3016	291	-0.7944
190	0.4396	241	-0.3984	292	0.2356
191	-0.2944	242	-0.3084	325	0.5226
192	-0.3014	244	-0.0804	326	0.5636
193	-0.3004	245	0.0056	327	0.5786
194	-0.3074	246	0.0296	328	0.5826
195	-0.3014	247	0.0936	329	0.5616
196	-0.3164	248	0.1686	330	0.5406
197	-0.3074	249	0.1746	331	0.5466
198	-0.3124	250	0.0596	332	0.5696
199	-0.3164	251	-0.2964	333	0.6516
200	-0.3044	252	-0.2614	334	0.8416
201	-0.3024	253	0.4216	335	1.1126
202	-0.2994	254	0.3406	336	1.3566
203	-0.3034	255	-0.7944	337	1.4696
204	-0.2974	256	-0.7944	338	1.4836
205	0.3376	257	-0.4004	339	1.4756
206	0.3696	258	-0.2254	340	1.4776
207	0.3726	259	-0.0164	341	1.4886
208	0.3796	260	0.0326	350	0.2496
210	0.4636	261	0.1116	351	0.2806
211	0.4926	262	0.2036	352	0.3086
212	0.4016	263	-0.0024	353	0.2936
213	-0.4064	264	-0.0204	354	0.0126
214	-0.3544	265	-0.1524	355	0.0616
215	-0.3154	266	-0.1274		
216	-0.2454	267	-0.0554		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 96
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 9.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.342
TUNNEL DYNAMIC PRESSURE(PSF) = 1734.
TUNNEL STAGNATION PRESSURE(PSF) = 4036.
TUNNEL STATIC PRESSURE(PSF) = 1376.
REYNOLDS NUMBER PER FOOT = 7.6400E 06
MODEL ANGLE OF ATTACK(DEG) = 4.00
FIN ANGLE(DEG) = -0.18
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 600.

SCANIVALE	CP(REF)
147	0.5715
247	0.5705
347	0.5715
447	0.5715
547	0.5695
647	0.5705
747	0.5705

ORF	CP	ORF	CP	ORF	CP
1	0.3155	52	0.0945	102	-0.2645
2	-0.0085	53	-0.0475	103	-0.7935
3	-0.1795	54	-0.0925	104	-0.7935
4	-0.1065	55	0.0115	105	-0.4105
5	-0.0795	56	-0.0335	110	-0.0175
6	-0.0715	57	-0.0535	111	-0.0225
7	-0.0725	58	-0.0685	112	-0.0385
8	-0.0605	59	-0.0325	113	-0.0655
9	-0.0195	60	0.0295	114	-0.1635
10	0.0225	61	0.0625	115	-0.1275
11	0.0695	62	0.0995	116	-0.0425
12	0.1125	63	0.1025	117	-0.0215
13	0.1245	64	-0.1135	118	-0.0345
14	0.0405	65	-0.1015	119	-0.0375
15	-0.0595	66	-0.0355	120	0.0225
16	0.0865	67	-0.0405	121	-0.0405
17	-0.0495	68	-0.0635	122	-0.1425
18	-0.0895	69	-0.0565	123	-0.1655
19	-0.0805	70	-0.0195	124	-0.0815
20	-0.0695	71	0.0475	125	-0.0565
21	-0.0695	72	0.1315	126	-0.0345
22	-0.0525	73	0.1135	127	-0.0505
23	-0.0065	74	-0.1005	128	-0.1525
24	0.0375	75	-0.0525	129	-0.0805
25	0.0835	76	-0.0265	135	-0.0345
26	0.1095	77	-0.0335	136	-0.0395
27	0.1115	78	-0.0375	137	-0.0375
28	0.0295	79	0.0315	138	0.0545
29	-0.0825	80	0.1155	139	0.0535
30	0.0395	81	0.0985	140	0.0525
32	-0.0575	82	-0.0475	141	0.0975
33	-0.0705	83	-0.0905	142	0.0985
34	-0.0725	84	-0.0175	143	0.0985
35	-0.0625	85	-0.0285	145	-0.0405
36	-0.0285	86	-0.0225	147	0.0945
37	0.0295	87	0.1035	151	0.1165
38	0.0695	88	0.1355	152	-0.0875
39	0.0965	89	-0.0645	153	-0.1785
40	0.1005	90	-0.3175	154	-0.3965
41	0.0365	91	0.0485	155	0.1205
42	-0.0925	92	0.0355	156	0.1435
43	0.0255	93	0.0425	157	-0.0095
44	-0.0165	94	0.1025	158	0.5115
45	-0.0475	95	-0.0945	159	0.2585
46	-0.0655	96	-0.1995	160	0.2365
47	-0.0725	97	-0.1455	161	0.1525
48	-0.0245	98	0.2235	162	0.4095
49	0.0395	99	0.3415	163	0.3165
50	0.0755	100	0.0585	164	0.0515
51	0.0985	101	-0.3035	165	0.1085

ORF	CP	ORF	CP	ORF	CP
166	0.4685	217	-0.0225	268	-0.1845
167	0.2915	218	0.0575	269	-0.0685
168	0.2605	219	0.0675	270	0.0005
169	0.1745	220	0.1165	271	-0.2685
170	0.3225	221	-0.0695	272	-0.2715
171	0.2035	222	-0.0325	273	0.0195
172	0.0555	223	0.2855	274	0.0225
173	0.1345	224	0.3385	275	0.3605
174	0.0245	225	0.3555	276	0.4915
175	-0.1335	226	0.2635	277	0.3795
176	-0.2955	227	-0.7935	278	-0.7935
177	-0.1065	228	-0.4425	279	-0.3845
178	-0.1925	229	-0.3395	280	-0.3025
179	-0.1575	230	-0.1195	281	-0.1795
180	-0.3125	231	0.0025	282	-0.0815
181	0.2685	232	0.0175	283	-0.0785
182	0.4235	233	0.0585	284	0.0225
183	0.5505	234	0.1185	285	0.1185
184	0.7235	235	0.0285	286	-0.2975
185	0.8035	236	0.0745	287	-0.1615
186	0.9085	237	0.2375	288	0.0505
187	1.0815	238	0.2275	289	0.0215
188	1.1835	239	0.3845	290	-0.1185
189	1.2685	240	0.3165	291	-0.3315
190	0.5045	241	-0.7935	292	0.2015
191	-0.3045	242	-0.7935	325	0.5735
192	-0.3015	244	-0.1975	326	0.5985
193	-0.3005	245	-0.0965	327	0.6405
194	-0.3055	246	-0.0495	328	0.6435
195	-0.3075	247	0.0645	329	0.6465
196	-0.3215	248	0.1485	330	0.7045
197	-0.3045	249	0.1395	331	0.8325
198	-0.3095	250	0.0445	332	0.9745
199	-0.3145	251	-0.2925	333	1.1255
200	-0.3095	252	-0.2825	334	1.2695
201	-0.2995	253	0.5105	335	1.3325
202	-0.2995	254	0.4245	336	1.3375
203	-0.2985	255	-0.7935	337	1.3305
204	-0.2945	256	-0.7935	338	1.3125
205	0.2555	257	-0.3925	339	1.3265
206	0.2925	258	-0.3175	340	1.3625
207	0.2825	259	-0.2085	341	1.4065
208	0.2565	260	-0.0695	350	0.3805
210	0.3845	261	0.0415	351	0.4375
211	0.4085	262	0.1705	352	0.5465
212	0.3225	263	-0.0855	353	0.5985
213	-0.4075	264	-0.0575	354	0.5305
214	-0.3435	265	-0.1465	355	0.1105
215	-0.2775	266	-0.0865		
216	-0.1735	267	-0.1015		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 97
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 9.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.339
TUNNEL DYNAMIC PRESSURE(PSF) = 1736.
TUNNEL STAGNATION PRESSURE(PSF) = 4043.
TUNNEL STATIC PRESSURE(PSF) = 1383.
REYNOLDS NUMBER PER FOOT = 7.6400E 06
MODEL ANGLE OF ATTACK(DEG) = 7.97
FIN ANGLE(DEG) = -0.06
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 600.

SCAN VALUE	CP(REF)
147	0.5663
247	0.5663
347	0.5663
447	0.5663
547	0.5663
647	0.5673
747	0.5663

ORF	CP	ORF	CP	ORF	CP
1	0.2203	52	-0.0357	102	-0.2957
2	0.0143	53	-0.1737	103	-0.7967
3	-0.0417	54	-0.2037	104	-0.7967
4	0.0233	55	-0.0807	105	-0.7967
5	0.0473	56	-0.0067	110	0.0103
6	0.0563	57	0.0223	111	0.0053
7	0.0633	58	0.0183	112	-0.0117
8	0.0693	59	0.0113	113	-0.0457
9	0.0623	60	0.0073	114	-0.1827
10	0.0693	61	-0.0117	115	-0.1267
11	0.0703	62	-0.0327	116	-0.0167
12	0.0733	63	-0.0807	117	-0.0257
13	0.0683	64	-0.2547	118	-0.0347
14	-0.0327	65	-0.2247	119	-0.0377
15	-0.1217	66	-0.2647	120	0.0283
16	0.0633	67	-0.1137	121	-0.0527
17	0.0283	68	-0.0257	122	-0.1467
18	0.0323	69	-0.0027	123	-0.1807
19	0.0533	70	-0.0017	124	-0.0827
20	0.0593	71	-0.0097	125	-0.0667
21	0.0633	72	-0.0427	126	-0.0467
22	0.0603	73	-0.0937	127	-0.0557
23	0.0573	74	-0.2637	128	-0.1507
24	0.0553	75	-0.3137	129	-0.0667
25	0.0633	76	-0.2587	135	-0.0427
26	0.0663	77	-0.1857	136	-0.0417
27	0.0493	78	-0.0957	137	-0.0417
28	-0.0387	79	-0.0327	138	0.0363
29	-0.1467	80	-0.0427	139	0.0393
30	0.0563	81	-0.0847	140	0.0353
32	0.0553	82	-0.2647	141	0.0773
33	0.0513	83	-0.2757	142	0.0743
34	0.0503	84	-0.2947	143	0.0853
35	0.0463	85	-0.2487	145	-0.0437
36	0.0403	86	-0.1877	147	0.0803
37	0.0533	87	-0.1227	151	0.1913
38	0.0473	88	-0.0607	152	-0.0067
39	0.0463	89	-0.2097	153	-0.1167
40	0.0223	90	-0.3477	154	-0.3127
41	-0.0547	91	-0.3017	155	0.1003
42	-0.1717	92	-0.2367	156	0.2453
43	0.0413	93	-0.1887	157	0.0653
44	0.0313	94	-0.1577	158	0.6713
45	0.0253	95	-0.2507	159	0.3433
46	0.0213	96	-0.0577	160	0.3143
47	0.0243	97	-0.1447	161	0.2373
48	0.0263	98	0.2533	162	0.5553
49	0.0263	99	0.3383	163	0.4513
50	0.0193	100	0.0523	164	0.0333
51	-0.0037	101	-0.3267	165	0.1993

ORF	CP	ORF	CP	ORF	CP
166	0.6253	217	-0.2437	268	-0.2457
167	0.4333	218	-0.1867	269	-0.1407
168	0.3913	219	-0.0827	270	-0.1087
169	0.2963	220	0.1163	271	-0.2837
170	0.1863	221	-0.0467	272	-0.2507
171	0.3613	222	-0.0147	273	-0.0747
172	0.1583	223	0.3113	274	-0.0837
173	0.2423	224	0.4103	275	0.2483
174	0.0803	225	0.4673	276	0.3743
175	-0.0417	226	0.3613	277	0.2833
176	-0.3097	227	-0.7967	278	-0.3257
177	-0.0337	228	-0.7967	279	-0.2547
178	-0.0937	229	-0.7967	280	-0.1297
179	-0.0767	230	-0.3497	281	-0.0357
180	-0.3227	231	-0.2507	282	0.0473
181	0.1443	232	-0.1617	283	0.0533
182	0.3513	233	-0.0737	284	0.0683
183	0.5263	234	0.1783	285	0.0673
184	0.6233	235	-0.0107	286	-0.3167
185	0.6673	236	0.1363	287	-0.1387
186	0.6633	237	0.3553	288	-0.0467
187	0.6823	238	0.3353	289	-0.0757
188	0.7623	239	0.3983	290	-0.2167
189	0.8073	240	0.3373	291	-0.3467
190	0.5403	241	-0.7967	292	0.4463
191	-0.3147	242	-0.7967	325	0.6933
192	-0.3117	244	-0.2937	326	0.7633
193	-0.3097	245	-0.2007	327	0.7863
194	-0.3117	246	-0.1527	328	0.7763
195	-0.3197	247	0.0303	329	0.8063
196	-0.3247	248	0.1453	330	0.8243
197	-0.3147	249	0.1133	331	0.9143
198	-0.3157	250	0.0613	332	0.9833
199	-0.3167	251	-0.3107	333	1.0203
200	-0.3217	252	-0.3847	334	1.0233
201	-0.3127	253	0.3813	335	1.0503
202	-0.3107	254	0.2873	336	1.1183
203	-0.3087	255	-0.7967	337	1.2333
204	-0.3107	256	-0.7967	338	1.3183
205	0.2223	257	-0.4047	339	1.3913
206	0.2443	258	-0.2827	340	1.4333
207	0.2423	259	-0.0527	341	1.4323
208	0.2383	260	0.0163	350	0.5693
210	0.5183	261	0.0573	351	0.6083
211	0.5493	262	0.1053	352	0.6513
212	0.4573	263	-0.0897	353	0.6613
213	-0.4157	264	-0.1537	354	0.6353
214	-0.3837	265	-0.2367	355	0.6013
215	-0.3567	266	-0.1647		
216	-0.2887	267	-0.1387		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 98
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 9.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.325
TUNNEL DYNAMIC PRESSURE(PSF) = 1731.
TUNNEL STAGNATION PRESSURE(PSF) = 4040.
TUNNEL STATIC PRESSURE(PSF) = 1409.
REYNOLDS NUMBER PER FOOT = 7.6610E 06
MODEL ANGLE OF ATTACK(DEG) = 14.17
FIN ANGLE(DEG) = -0.17
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 600.

SCANIVALE	CP(REF)
147	0.5520
247	0.5520
347	0.5510
447	0.5520
547	0.5510
647	0.5520
747	0.5520

ORF	CP	ORF	CP	ORF	CP
1	0.0570	52	-0.0350	102	-0.3370
2	-0.1960	53	-0.1620	103	-0.8140
3	-0.3100	54	-0.1990	104	-0.8140
4	-0.2220	55	-0.1150	105	-0.4640
5	-0.0980	56	-0.0530	110	0.0740
6	-0.0540	57	-0.0290	111	0.0580
7	-0.0390	58	-0.0060	112	0.0480
8	-0.0220	59	0.0040	113	-0.0010
9	-0.0120	60	-0.0040	114	-0.2750
10	0.0080	61	-0.0230	115	-0.0560
11	0.0120	62	-0.0440	116	0.0830
12	0.0300	63	-0.0830	117	0.0100
13	0.0170	64	-0.2460	118	-0.0190
14	-0.0720	65	-0.2320	119	-0.0260
15	-0.1480	66	-0.1810	120	-0.0070
16	-0.1470	67	-0.1320	121	-0.1160
17	-0.2190	68	-0.0790	122	-0.2230
18	-0.1750	69	-0.0670	123	-0.2740
19	-0.1160	70	-0.0530	124	-0.1550
20	-0.0510	71	-0.0590	125	-0.1440
21	-0.0490	72	-0.0800	126	-0.1290
22	-0.0230	73	-0.1350	127	-0.1300
23	-0.0210	74	-0.2700	128	-0.2140
24	0.0040	75	-0.2460	129	-0.0990
25	0.0100	76	-0.2070	135	-0.1080
26	0.0180	77	-0.1840	136	-0.1130
27	-0.0030	78	-0.1320	137	-0.1090
28	-0.0820	79	-0.1370	138	0.0050
29	-0.1710	80	-0.1370	139	0.0170
30	-0.1330	81	-0.2010	140	0.0150
32	-0.0670	82	-0.2960	141	0.1110
33	-0.0270	83	-0.2570	142	0.1080
34	-0.0210	84	-0.2590	143	0.1000
35	-0.0060	85	-0.2370	145	-0.1140
36	0.0000	86	-0.2100	147	0.1100
37	0.0180	87	-0.1900	151	0.3970
38	0.0250	88	-0.2070	152	0.1390
39	0.0180	89	-0.3030	153	-0.0510
40	-0.0040	90	-0.3710	154	-0.2460
41	-0.0730	91	-0.3250	155	0.2980
42	-0.1850	92	-0.2930	156	0.3580
43	-0.1110	93	-0.2450	157	0.1710
44	-0.0570	94	-0.2420	158	0.5950
45	-0.0200	95	-0.3470	159	0.5610
46	0.0060	96	-0.1490	160	0.4630
47	0.0110	97	-0.2400	161	0.3490
48	0.0260	98	0.1420	162	0.6180
49	0.0220	99	0.2320	163	0.5440
50	0.0170	100	-0.0050	164	0.0160
51	-0.0040	101	-0.3740	165	0.2690

ORF	CP	ORF	CP	ORF	CP
166	0.5750	217	-0.1490	268	-0.2560
167	0.5400	218	-0.1270	269	-0.2570
168	0.4420	219	-0.1560	270	-0.1880
169	0.3100	220	-0.1830	271	-0.3260
170	0.4340	221	0.0150	272	-0.3150
171	0.4150	222	0.0480	273	-0.1480
172	0.2040	223	0.3640	274	-0.1380
173	0.3690	224	0.4220	275	0.1790
174	0.1970	225	0.5020	276	0.2320
175	0.0270	226	0.4360	277	0.1430
176	-0.2640	227	-0.8140	278	-0.8140
177	0.1580	228	-0.4150	279	-0.8140
178	0.0720	229	-0.3520	280	-0.3940
179	0.0790	230	-0.2610	281	-0.3150
180	-0.3500	231	-0.2170	282	-0.1280
181	0.0260	232	-0.1800	283	-0.0660
182	0.2850	233	-0.2000	284	0.0030
183	0.8840	234	-0.1930	285	0.0250
184	1.1660	235	0.0390	286	-0.3590
185	1.2080	236	0.2450	287	-0.2050
186	1.2480	237	0.4280	288	-0.0920
187	1.3360	238	0.4460	289	-0.1140
188	1.3710	239	0.3360	290	-0.3230
189	1.3680	240	0.3070	291	-0.3610
190	0.7590	241	-0.8140	292	0.5690
191	-0.3390	242	-0.4500	325	0.7670
192	-0.3350	244	-0.3750	326	0.9370
193	-0.3340	245	-0.3640	327	1.1050
194	-0.3360	246	-0.3180	328	1.1110
195	-0.3440	247	-0.1340	329	1.1260
196	-0.3430	248	0.0690	330	1.1360
197	-0.3360	249	0.1660	331	1.1600
198	-0.3380	250	0.0540	332	1.1240
199	-0.3370	251	-0.3370	333	1.0880
200	-0.3540	252	-0.4620	334	0.9980
201	-0.3340	253	0.2670	335	0.9500
202	-0.3340	254	0.1850	336	0.8740
203	-0.3340	255	-0.8140	337	0.7790
204	-0.3340	256	-0.8140	338	0.6970
205	0.0870	257	-0.8140	339	0.6840
206	0.1420	258	-0.3290	340	0.7150
207	0.1220	259	-0.1620	341	0.7740
208	0.0890	260	-0.1040	350	0.6220
210	0.3690	261	-0.0020	351	0.6450
211	0.6210	262	0.0780	352	0.6890
212	0.5460	263	-0.1000	353	0.7010
213	-0.3480	264	-0.1480	354	0.6750
214	-0.2690	265	-0.3350	355	0.6410
215	-0.2200	266	-0.2960		
216	-0.1610	267	-0.1510		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 99
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 9.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.340
TUNNEL DYNAMIC PRESSURE(PSF) = 1737.
TUNNEL STAGNATION PRESSURE(PSF) = 4044.
TUNNEL STATIC PRESSURE(PSF) = 1381.
REYNOLDS NUMBER PER FOOT = 7.6470E 06
MODEL ANGLE OF ATTACK(DEG) = 0.10
FIN ANGLE(DEG) = -0.36
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 600.

SCAN VALUE	CP(REF)
147	0.5660
247	0.5660
347	0.5670
447	0.5670
547	0.5660
647	0.5660
747	0.5660

ORF	CP	ORF	CP	ORF	CP
1	0.3910	52	0.1990	102	-0.2880
2	0.0570	53	0.0630	103	-0.4510
3	-0.2130	54	-0.0620	104	-0.4250
4	-0.1790	55	0.0810	105	-0.3770
5	-0.1390	56	0.0290	110	-0.0300
6	-0.0690	57	0.0320	111	-0.0250
7	0.0540	58	0.0800	112	-0.0260
8	0.0980	59	0.1780	113	-0.0660
9	0.1240	60	0.2020	114	-0.1580
10	0.1340	61	0.2080	115	-0.1120
11	0.1520	62	0.2490	116	-0.0480
12	0.1700	63	0.2230	117	-0.0220
13	0.1870	64	-0.0170	118	-0.0320
14	0.1000	65	-0.0260	119	-0.0400
15	0.0150	66	0.0940	120	0.0410
16	0.1340	67	0.0750	121	-0.0360
17	-0.0500	68	0.1260	122	-0.1630
18	-0.1640	69	0.1770	123	-0.1590
19	-0.1770	70	0.2160	124	-0.0690
20	-0.0730	71	0.2830	125	-0.0420
21	0.0590	72	0.2870	126	-0.0170
22	0.1110	73	0.2410	127	-0.0310
23	0.1490	74	-0.0280	128	-0.1640
24	0.1530	75	0.1300	129	-0.0870
25	0.1640	76	0.1650	135	-0.0250
26	0.1910	77	0.2710	136	-0.0290
27	0.1980	78	0.3190	137	-0.0250
28	0.1240	79	0.3050	138	0.0370
29	-0.0230	80	0.2740	139	0.0390
30	0.0760	81	0.1730	140	0.0430
32	-0.1020	82	-0.0600	141	0.1030
33	-0.1110	83	0.1900	142	0.1000
34	0.0110	84	0.2570	143	0.0930
35	0.0960	85	0.3080	145	-0.0290
36	0.1500	86	0.2710	147	0.0980
37	0.1760	87	0.2420	151	0.2090
38	0.1860	88	0.1860	152	-0.0440
39	0.1970	89	-0.0750	153	-0.1440
40	0.2000	90	0.2480	154	-0.3910
41	0.1480	91	0.2440	155	0.1750
42	-0.0610	92	0.2360	156	0.2710
43	0.0650	93	0.2160	157	0.0880
44	-0.0050	94	0.1970	158	0.6330
45	-0.0380	95	-0.0850	159	0.4480
46	0.0260	96	-0.2280	160	0.4000
47	0.1180	97	-0.0800	161	0.3130
48	0.1720	98	0.0410	162	0.5600
49	0.1870	99	0.2610	163	0.4860
50	0.1980	100	0.1670	164	0.0380
51	0.2010	101	-0.3240	165	0.2380

ORF	CP	ORF	CP	ORF	CP
166	0.6360	217	-0.1690	268	-0.1520
167	0.4380	218	0.0130	269	-0.1250
168	0.4080	219	0.1280	270	0.0040
169	0.3070	220	0.1960	271	-0.2770
170	0.4070	221	0.0180	272	-0.2730
171	0.3200	222	0.0190	273	0.0240
172	0.1580	223	0.3600	274	0.0570
173	0.1810	224	0.4540	275	0.4030
174	0.0870	225	0.4100	276	0.5520
175	-0.1480	226	0.3030	277	0.4720
176	-0.2750	227	-0.7950	278	-0.4160
177	-0.0470	228	-0.7950	279	-0.3340
178	-0.1520	229	-0.4280	280	-0.2400
179	-0.1700	230	-0.2330	281	-0.1940
180	-0.3160	231	-0.0120	282	-0.1500
181	0.3640	232	0.0210	283	-0.0130
182	0.4770	233	0.1080	284	0.1240
183	0.5390	234	0.1860	285	0.1780
184	0.7090	235	0.0890	286	-0.3180
185	0.7710	236	0.1280	287	-0.1510
186	0.7950	237	0.3280	288	0.0890
187	0.8400	238	0.2690	289	0.0770
188	0.9070	239	0.3790	290	-0.1280
189	0.9740	240	0.3040	291	-0.7950
190	0.4410	241	-0.4140	292	0.2490
191	-0.2950	242	-0.3350	325	0.5100
192	-0.3040	244	-0.0800	326	0.5600
193	-0.3040	245	0.0040	327	0.5730
194	-0.3080	246	0.0240	328	0.5810
195	-0.3000	247	0.0990	329	0.5630
196	-0.3160	248	0.1680	330	0.5430
197	-0.3080	249	0.1830	331	0.5410
198	-0.3130	250	0.0720	332	0.5730
199	-0.3180	251	-0.2940	333	0.6440
200	-0.3070	252	-0.2560	334	0.8460
201	-0.3020	253	0.4220	335	1.0860
202	-0.3010	254	0.3460	336	1.3480
203	-0.3050	255	-0.7950	337	1.4540
204	-0.2980	256	-0.7950	338	1.4840
205	0.3330	257	-0.3990	339	1.4760
206	0.3600	258	-0.2250	340	1.4800
207	0.3720	259	-0.0130	341	1.4860
208	0.3730	260	0.0310	350	0.2480
210	0.4720	261	0.1110	351	0.2860
211	0.5120	262	0.2060	352	0.2850
212	0.4220	263	0.0190	353	0.3000
213	-0.4000	264	-0.0150	354	0.0350
214	-0.3470	265	-0.1290	355	0.0600
215	-0.3040	266	-0.1020		
216	-0.2450	267	-0.0520		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 100
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 202.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.000
TUNNEL DYNAMIC PRESSURE(PSF) = 1603.
TUNNEL STAGNATION PRESSURE(PSF) = 4337.
TUNNEL STATIC PRESSURE(PSF) = 2292.
REYNOLDS NUMBER PER FOOT = 8.4080E 06
MODEL ANGLE OF ATTACK(DEG) = -14.33
FIN ANGLE(DEG) = -0.26
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 580.

SCANIVALE	CP(REF)
147	0.0482
247	0.0472
347	0.0472
447	0.0532
547	0.0762
647	0.0772
747	0.0762

ORF	CP	ORF	CP	ORF	CP
1	0.5342	52	0.1952	102	-0.5178
2	0.2712	53	-0.1138	103	-0.6808
3	0.3102	54	-0.0868	104	-0.6218
4	0.3822	55	0.6542	105	-0.5638
5	0.4132	56	0.5782	110	-0.0988
6	0.4282	57	0.5322	111	-0.1388
7	0.4332	58	0.4792	112	-0.0798
8	0.4262	59	0.4332	113	-0.1458
9	0.4152	60	0.3832	114	-0.1688
10	0.4042	61	0.3232	115	-0.0858
11	0.3812	62	0.2502	116	0.0282
12	0.3492	63	0.1382	117	0.0292
13	0.3022	64	-0.1768	118	-0.0428
14	0.0792	65	-0.1018	119	-0.0448
15	-0.0308	66	0.6272	120	-0.0848
16	0.5312	67	0.5532	121	-0.0748
17	0.4852	68	0.4902	122	-0.2548
18	0.4822	69	0.4302	123	-0.2958
19	0.4672	70	0.3662	124	-0.1278
20	0.4582	71	0.2982	125	-0.1098
21	0.4532	72	0.2082	126	-0.0688
22	0.4432	73	0.0652	127	-0.0888
23	0.4222	74	-0.1408	128	-0.2738
24	0.3992	75	0.5832	129	-0.1518
25	0.3732	76	0.4972	135	-0.0478
26	0.3352	77	0.4132	136	-0.0718
27	0.2642	78	0.3342	137	-0.0498
28	0.0782	79	0.2482	138	0.1002
29	-0.0488	80	0.1432	139	0.0922
30	0.6162	81	-0.0478	140	0.0972
32	0.5292	82	-0.1728	141	0.1882
33	0.4932	83	0.5432	142	0.1902
34	0.4782	84	0.4552	143	0.1982
35	0.4522	85	0.3442	145	-0.0778
36	0.4242	86	0.2382	147	0.1972
37	0.3912	87	0.1272	151	0.2912
38	0.3562	88	-0.0268	152	-0.0498
39	0.3062	89	-0.1978	153	-0.2228
40	0.2272	90	0.4372	154	-0.2288
41	0.0572	91	0.2422	155	0.2582
42	-0.0888	92	0.1302	156	0.2312
43	0.6602	93	0.0422	157	0.0202
44	0.5992	94	-0.0268	158	0.6502
45	0.5522	95	-0.2548	159	0.4122
46	0.5112	96	-0.6718	160	0.3212
47	0.4772	97	-0.3818	161	0.1802
48	0.4422	98	-1.0048	162	0.5862
49	0.4002	99	-0.7018	163	0.4352
50	0.3482	100	-0.5488	164	0.0902
51	0.2812	101	-0.5528	165	0.0962

ORF	CP	ORF	CP	ORF	CP
166	0.6552	217	-0.0058	268	-0.3158
167	0.4212	218	0.2132	269	-0.2838
168	0.3562	219	0.2902	270	-0.1908
169	0.1872	220	0.2582	271	-0.4368
170	0.4772	221	-0.0908	272	-0.5068
171	0.2912	222	-0.0128	273	-0.1578
172	0.0362	223	0.4562	274	-0.1198
173	0.2532	224	0.5112	275	0.5472
174	0.0552	225	0.5512	276	0.6492
175	-0.1908	226	0.3742	277	0.5142
176	-0.4938	227	-0.3448	278	-0.2578
177	-0.0478	228	-0.3448	279	-0.1648
178	-0.1638	229	-0.3408	280	0.0072
179	-0.0848	230	-0.2558	281	0.2842
180	-0.3708	231	0.0232	282	0.3912
181	0.5342	232	0.2022	283	0.4022
182	0.6242	233	0.2742	284	0.3972
183	0.1782	234	0.2572	285	0.2942
184	0.2412	235	0.0862	286	-0.5628
185	0.5472	236	0.1422	287	-0.3918
186	0.9842	237	0.3592	288	-0.0568
187	0.9442	238	0.4052	289	-0.0728
188	1.0342	239	0.6052	290	-0.3818
189	0.9872	240	0.4832	291	-0.9298
190	0.3152	241	-0.3518	292	-0.2328
191	-0.2848	242	-0.3358	325	0.6532
192	-0.3108	244	-0.1288	326	0.7252
193	-0.3138	245	0.1512	327	0.8072
194	-0.3278	246	0.2452	328	0.9372
195	-0.2788	247	0.2822	329	1.0672
196	-0.3538	248	0.2682	330	-1.4298
197	-0.3328	249	0.2212	331	-1.4298
198	-0.3448	250	-0.0988	332	-1.4298
199	-0.3468	251	-0.3488	333	-1.4298
200	-0.3038	252	-0.6378	334	-1.4298
201	-0.3218	253	0.6592	335	-1.4298
202	-0.3338	254	0.4862	336	-1.4298
203	-0.3428	255	-0.1838	337	-1.4298
204	-0.3378	256	-0.1738	338	-1.4298
205	0.0702	257	-0.1508	339	-1.4298
206	0.1302	258	0.0162	340	1.1122
207	0.0952	259	0.2502	341	1.1072
208	0.2282	260	0.3252	350	-0.0818
210	0.7582	261	0.3462	351	-0.0838
211	0.6112	262	0.3132	352	-0.0988
212	0.4522	263	-0.0198	353	-0.1068
213	-0.3638	264	-0.1558	354	-0.1218
214	-0.3208	265	-0.3678	355	-0.1448
215	-0.3218	266	-0.3208		
216	-0.2568	267	-0.0988		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 101
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 202.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.996
TUNNEL DYNAMIC PRESSURE(PSF) = 1598.
TUNNEL STAGNATION PRESSURE(PSF) = 4337.
TUNNEL STATIC PRESSURE(PSF) = 2303.
REYNOLDS NUMBER PER FOOT = 8.3980E 06
MODEL ANGLE OF ATTACK(DEG) = -8.14
FIN ANGLE(DEG) = -0.40
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 580.

SCAN VALUE	CP(REF)
147	0.1378
247	0.1368
347	0.1378
447	0.1418
547	0.1408
647	0.1418
747	0.1418

ORF	CP	ORF	CP	ORF	CP
1	0.3718	52	0.1048	102	-0.5952
2	0.0878	53	-0.1852	103	-0.8292
3	0.1108	54	-0.1942	104	-0.8062
4	0.1968	55	0.4988	105	-0.6992
5	0.2358	56	0.4438	110	-0.0892
6	0.2578	57	0.4028	111	-0.1282
7	0.2678	58	0.3528	112	-0.0812
8	0.2728	59	0.3168	113	-0.1362
9	0.2688	60	0.2738	114	-0.1472
10	0.2598	61	0.2208	115	-0.0942
11	0.2438	62	0.1538	116	-0.0012
12	0.2208	63	0.0558	117	0.0178
13	0.1758	64	-0.3962	118	-0.0272
14	-0.0202	65	-0.2552	119	-0.0242
15	-0.1402	66	0.4878	120	-0.0442
16	0.3148	67	0.4288	121	-0.0242
17	0.2838	68	0.3698	122	-0.2462
18	0.2918	69	0.3148	123	-0.2172
19	0.2838	70	0.2608	124	-0.1032
20	0.2888	71	0.2008	125	-0.0672
21	0.2878	72	0.1228	126	-0.0242
22	0.2958	73	-0.0022	127	-0.0532
23	0.2808	74	-0.3342	128	-0.2532
24	0.2688	75	0.4628	129	-0.1182
25	0.2488	76	0.3778	135	-0.0152
26	0.2188	77	0.3148	136	-0.0222
27	0.1598	78	0.2408	137	-0.0172
28	-0.0142	79	0.1608	138	0.1028
29	-0.1632	80	0.0658	139	0.1088
30	0.4118	81	-0.1092	140	0.1058
32	0.3598	82	-0.3882	141	0.1398
33	0.3308	83	0.4048	142	0.1378
34	0.3288	84	0.3298	143	0.1338
35	0.3128	85	0.2308	145	-0.0262
36	0.2978	86	0.1308	147	0.1368
37	0.2768	87	0.0338	151	0.1788
38	0.2498	88	-0.1012	152	-0.1352
39	0.2088	89	-0.4272	153	-0.3362
40	0.1408	90	0.3028	154	-0.2722
41	-0.0092	91	0.1188	155	0.1458
42	-0.1812	92	0.0308	156	0.1358
43	0.4758	93	-0.0432	157	-0.1112
44	0.4318	94	-0.0942	158	0.5438
45	0.3948	95	-0.4762	159	0.3138
46	0.3668	96	-0.6632	160	0.2248
47	0.3378	97	-0.4252	161	0.0918
48	0.3128	98	-0.6112	162	0.4988
49	0.2788	99	-0.5362	163	0.3608
50	0.2378	100	-0.5632	164	0.1038
51	0.1808	101	-0.6272	165	0.0258

ORF	CP	ORF	CP	ORF	CP
166	0.5528	217	-0.0892	268	-0.4022
167	0.3338	218	0.0938	269	-0.3552
168	0.2768	219	0.1818	270	-0.2602
169	0.1228	220	0.1608	271	-0.5282
170	0.3458	221	-0.2082	272	-0.5822
171	0.1928	222	-0.0762	273	-0.2272
172	-0.0392	223	0.3578	274	-0.1872
173	0.1448	224	0.4148	275	0.4588
174	-0.0462	225	0.4618	276	0.5398
175	-0.2542	226	0.2868	277	0.4048
176	-0.4812	227	-0.4752	278	-0.3802
177	-0.1492	228	-0.4732	279	-0.3252
178	-0.2592	229	-0.4572	280	-0.1732
179	-0.1832	230	-0.3582	281	0.0788
180	-0.3212	231	-0.0672	282	0.2078
181	0.3258	232	0.0888	283	0.2308
182	0.4388	233	0.1688	284	0.2478
183	0.1608	234	0.1578	285	0.1688
184	0.2428	235	-0.0122	286	-0.6422
185	0.3818	236	0.0368	287	-0.4152
186	0.5288	237	0.2468	288	-0.1332
187	0.5908	238	0.2868	289	-0.1332
188	0.6818	239	0.5198	290	-0.3972
189	0.7488	240	0.3958	291	-1.4412
190	0.2168	241	-0.5092	292	-0.1662
191	-0.2782	242	-0.4852	325	0.5368
192	-0.2962	244	-0.2592	326	0.5928
193	-0.2992	245	0.0218	327	0.6678
194	-0.3032	246	0.1248	328	0.7438
195	-0.2652	247	0.1768	329	0.8708
196	-0.3152	248	0.1718	330	1.0108
197	-0.2962	249	0.1298	331	1.1838
198	-0.3002	250	-0.0552	332	-1.4412
199	-0.3082	251	-0.3162	333	1.2458
200	-0.2802	252	-0.6162	334	-1.4412
201	-0.2892	253	0.5448	335	-1.4412
202	-0.2942	254	0.3748	336	1.1768
203	-0.2962	255	-0.3982	337	1.1318
204	-0.2862	256	-0.3822	338	1.1678
205	0.2658	257	-0.3372	339	-1.4412
206	0.2978	258	-0.1522	340	1.0668
207	0.2968	259	0.1028	341	1.0908
208	0.3508	260	0.1798	350	0.0018
210	0.6398	261	0.2168	351	0.0188
211	0.5158	262	0.1968	352	0.0628
212	0.3588	263	-0.1132	353	0.0858
213	-0.5942	264	-0.2332	354	0.0808
214	-0.4852	265	-0.4392	355	0.0648
215	-0.4612	266	-0.3822		
216	-0.3572	267	-0.1952		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 102
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 202.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.003
TUNNEL DYNAMIC PRESSURE(PSF) = 1608.
TUNNEL STAGNATION PRESSURE(PSF) = 4337.
TUNNEL STATIC PRESSURE(PSF) = 2283.
REYNOLDS NUMBER PER FOOT = 8.4130E 06
MODEL ANGLE OF ATTACK(DEG) = -3.98
FIN ANGLE(DEG) = -0.50
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 580.

SCANIVALE	CP(REF)
147	0.2002
247	0.2002
347	0.2002
447	0.2042
547	0.2092
647	0.2092
747	0.2092

ORF	CP	ORF	CP	ORF	CP
1	0.2052	52	0.0312	102	-0.5348
2	-0.0378	53	-0.2248	103	-0.8248
3	-0.0388	54	-0.3198	104	-0.8098
4	0.0642	55	0.3572	105	-0.6938
5	0.1132	56	0.3182	110	-0.0628
6	0.1352	57	0.2842	111	-0.1048
7	0.1452	58	0.2442	112	-0.0598
8	0.1502	59	0.2112	113	-0.1128
9	0.1492	60	0.1802	114	-0.1228
10	0.1402	61	0.1392	115	-0.0778
11	0.1292	62	0.0842	116	-0.0058
12	0.1092	63	0.0052	117	0.0202
13	0.0682	64	-0.4258	118	-0.0138
14	-0.1018	65	-0.3788	119	-0.0178
15	-0.2068	66	0.3512	120	-0.0098
16	0.1242	67	0.3052	121	0.0082
17	0.1192	68	0.2632	122	-0.2068
18	0.1452	69	0.2212	123	-0.1558
19	0.1502	70	0.1742	124	-0.0698
20	0.1542	71	0.1262	125	-0.0318
21	0.1632	72	0.0602	126	0.0082
22	0.1672	73	-0.0428	127	-0.0168
23	0.1622	74	-0.4068	128	-0.2068
24	0.1492	75	0.3372	129	-0.0848
25	0.1332	76	0.2782	135	0.0202
26	0.1062	77	0.2192	136	0.0162
27	0.0512	78	0.1592	137	0.0182
28	-0.0948	79	0.0892	138	0.1382
29	-0.2278	80	0.0142	139	0.1372
30	0.2302	81	-0.1328	140	0.1362
32	0.2142	82	-0.4328	141	0.1562
33	0.1942	83	0.2862	142	0.1552
34	0.1982	84	0.2302	143	0.1522
35	0.1872	85	0.1382	145	0.0132
36	0.1792	86	0.0582	147	0.1552
37	0.1592	87	-0.0068	151	0.1182
38	0.1392	88	-0.1138	152	-0.1868
39	0.1052	89	-0.4538	153	-0.3248
40	0.0462	90	0.1792	154	-0.2738
41	-0.0848	91	0.0442	155	0.0872
42	-0.2548	92	0.0032	156	0.0942
43	0.3282	93	-0.0458	157	-0.1318
44	0.2922	94	-0.0668	158	0.4982
45	0.2642	95	-0.4708	159	0.2602
46	0.2442	96	-0.6188	160	0.1832
47	0.2192	97	-0.4618	161	0.0562
48	0.1982	98	0.0262	162	0.4462
49	0.1742	99	0.0022	163	0.2962
50	0.1432	100	-0.1718	164	0.1392
51	0.0952	101	-0.5898	165	-0.0068

ORF	CP	ORF	CP	ORF	CP
166	0.5052	217	-0.1518	268	-0.3908
167	0.2712	218	0.0312	269	-0.3258
168	0.2182	219	0.1252	270	-0.2508
169	0.0742	220	0.1112	271	-0.5028
170	0.2882	221	-0.2498	272	-0.5328
171	0.1402	222	-0.1088	273	-0.2268
172	-0.0728	223	0.3112	274	-0.1908
173	0.0802	224	0.3682	275	0.4332
174	-0.0738	225	0.3952	276	0.3682
175	-0.2628	226	0.2262	277	0.2342
176	-0.4138	227	-0.5438	278	-0.4138
177	-0.1988	228	-0.5278	279	-0.4068
178	-0.3088	229	-0.5078	280	-0.3208
179	-0.2508	230	-0.3988	281	-0.0708
180	-0.2988	231	-0.1178	282	0.0912
181	0.3902	232	0.0272	283	0.1232
182	0.4972	233	0.1112	284	0.1402
183	0.4002	234	0.1032	285	0.0742
184	0.5522	235	-0.0578	286	-0.5968
185	0.6542	236	-0.0038	287	-0.3348
186	0.7432	237	0.2022	288	-0.1398
187	0.8072	238	0.2252	289	-0.1528
188	0.9272	239	0.4382	290	-0.3278
189	1.0102	240	0.3082	291	-0.5288
190	0.2682	241	-0.5228	292	-0.0638
191	-0.2668	242	-0.5128	325	0.5112
192	-0.2618	244	-0.3158	326	0.5572
193	-0.2638	245	-0.0448	327	0.6292
194	-0.2728	246	0.0552	328	0.6882
195	-0.2528	247	0.1032	329	0.7782
196	-0.2788	248	0.1002	330	0.8692
197	-0.2698	249	0.0672	331	0.9752
198	-0.2708	250	-0.0198	332	1.1022
199	-0.2698	251	-0.2748	333	1.1172
200	-0.2558	252	-0.5218	334	1.2102
201	-0.2578	253	0.3712	335	1.2342
202	-0.2638	254	0.2222	336	1.1852
203	-0.2658	255	-0.3768	337	1.1652
204	-0.2658	256	-0.3698	338	1.1892
205	0.3082	257	-0.3308	339	1.2442
206	0.3412	258	-0.1528	340	1.1322
207	0.3372	259	0.0402	341	1.1382
208	0.3362	260	0.0932	350	0.0832
210	0.5852	261	0.1192	351	0.1072
211	0.4622	262	0.1002	352	0.1542
212	0.3102	263	-0.1628	353	0.1902
213	-0.7018	264	-0.2608	354	0.1862
214	-0.5478	265	-0.3918	355	0.1502
215	-0.5218	266	-0.3298		
216	-0.4138	267	-0.2348		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 103
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 202.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.002
TUNNEL DYNAMIC PRESSURE(PSF) = 1607.
TUNNEL STAGNATION PRESSURE(PSF) = 4338.
TUNNEL STATIC PRESSURE(PSF) = 2286.
REYNOLDS NUMBER PER FOOT = 8.4150E 06
MODEL ANGLE OF ATTACK(DEG) = 0.14
FIN ANGLE(DEG) = -0.50
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 580.

SCANIVALE	CP(REF)
147	0.2325
247	0.2325
347	0.2335
447	0.2355
547	0.2295
647	0.2305
747	0.2305

ORF	CP	ORF	CP	ORF	CP
1	0.1755	52	-0.0335	102	-0.5675
2	-0.2535	53	-0.2675	103	-0.8305
3	-0.3105	54	-0.4335	104	-0.8225
4	-0.1595	55	0.1865	105	-0.7145
5	-0.0555	56	0.1545	110	-0.0495
6	0.0055	57	0.1425	111	-0.1225
7	0.0405	58	0.1175	112	-0.0575
8	0.0575	59	0.1015	113	-0.1445
9	0.0665	60	0.0805	114	-0.1435
10	0.0655	61	0.0485	115	-0.0995
11	0.0585	62	0.0085	116	-0.0205
12	0.0425	63	-0.0575	117	0.0285
13	0.0055	64	-0.4595	118	-0.0055
14	-0.1535	65	-0.4465	119	-0.0145
15	-0.2785	66	0.1735	120	0.0105
16	-0.1035	67	0.1485	121	0.0305
17	-0.1105	68	0.1225	122	-0.1515
18	-0.0215	69	0.0995	123	-0.1295
19	0.0115	70	0.0715	124	-0.0335
20	0.0445	71	0.0365	125	-0.0065
21	0.0645	72	-0.0145	126	0.0235
22	0.0815	73	-0.0985	127	0.0065
23	0.0805	74	-0.4565	128	-0.1595
24	0.0725	75	0.1615	129	-0.0575
25	0.0645	76	0.1285	135	0.0325
26	0.0425	77	0.0905	136	0.0315
27	-0.0025	78	0.0525	137	0.0355
28	-0.1505	79	0.0055	138	0.1455
29	-0.3085	80	-0.0475	139	0.1465
30	0.0525	81	-0.1735	140	0.1465
32	0.0775	82	-0.4705	141	0.1605
33	0.0775	83	0.1205	142	0.1605
34	0.0945	84	0.0805	143	0.1585
35	0.0955	85	0.0265	145	0.0285
36	0.0915	86	-0.0155	147	0.1595
37	0.0835	87	-0.0635	151	-0.0105
38	0.0685	88	-0.1555	152	-0.2795
39	0.0445	89	-0.4925	153	-0.2525
40	-0.0025	90	0.0355	154	-0.3035
41	-0.1255	91	0.0025	155	0.0345
42	-0.3435	92	-0.0325	156	0.0245
43	0.1505	93	-0.0765	157	-0.1375
44	0.1295	94	-0.1155	158	0.4555
45	0.1245	95	-0.4975	159	0.1815
46	0.1165	96	-0.3065	160	0.1205
47	0.1065	97	-0.4585	161	0.0215
48	0.0985	98	0.1105	162	0.3845
49	0.0805	99	0.0765	163	0.2305
50	0.0595	100	-0.1745	164	0.1465
51	0.0195	101	-0.6255	165	-0.0515

ORF	CP	ORF	CP	ORF	CP
166	0.4615	217	-0.0785	268	-0.4425
167	0.1955	218	0.0295	269	-0.3255
168	0.1585	219	0.0625	270	-0.2325
169	0.0215	220	0.0435	271	-0.5675
170	0.2425	221	-0.3075	272	-0.5965
171	0.0755	222	-0.2355	273	-0.2105
172	-0.1145	223	0.2385	274	-0.1755
173	-0.0215	224	0.2995	275	0.4155
174	-0.1295	225	0.2985	276	0.4045
175	-0.3265	226	0.1385	277	0.2415
176	-0.3785	227	-0.4925	278	-0.6815
177	-0.3175	228	-0.4815	279	-0.6375
178	-0.4415	229	-0.4645	280	-0.5445
179	-0.3825	230	-0.3235	281	-0.3695
180	-0.2815	231	-0.0815	282	-0.1125
181	0.2905	232	0.0135	283	0.0135
182	0.4115	233	0.0465	284	0.0685
183	0.4885	234	0.0345	285	0.0185
184	0.6505	235	-0.1295	286	-0.6325
185	0.7045	236	-0.0995	287	-0.4035
186	0.7735	237	0.1305	288	-0.1235
187	0.7835	238	0.1235	289	-0.1535
188	0.8565	239	0.2965	290	-0.3095
189	0.9115	240	0.1795	291	-0.5395
190	0.3015	241	-0.4845	292	0.0305
191	-0.2685	242	-0.4665	325	0.3965
192	-0.2645	244	-0.2345	326	0.4255
193	-0.2645	245	-0.0415	327	0.4435
194	-0.2665	246	0.0055	328	0.4515
195	-0.2625	247	0.0335	329	0.4605
196	-0.2715	248	0.0335	330	0.4795
197	-0.2595	249	-0.0105	331	0.5295
198	-0.2665	250	0.0045	332	0.5985
199	-0.2665	251	-0.2725	333	0.6605
200	-0.2665	252	-0.4475	334	0.8185
201	-0.2575	253	0.3275	335	0.9855
202	-0.2545	254	0.1815	336	1.0995
203	-0.2655	255	-0.5305	337	1.1215
204	-0.2665	256	-0.5285	338	1.1465
205	0.3075	257	-0.5005	339	1.1975
206	0.3235	258	-0.3815	340	1.0975
207	0.3285	259	-0.1125	341	1.1065
208	0.3245	260	0.0105	350	0.1155
210	0.4605	261	0.0585	351	0.1455
211	0.3715	262	0.0525	352	0.2035
212	0.2275	263	-0.2275	353	0.2435
213	-0.6915	264	-0.3025	354	0.2445
214	-0.5395	265	-0.4115	355	0.2105
215	-0.5025	266	-0.3275		
216	-0.3345	267	-0.2975		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 104
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 202.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.000
TUNNEL DYNAMIC PRESSURE(PSF) = 1606.
TUNNEL STAGNATION PRESSURE(PSF) = 4343.
TUNNEL STATIC PRESSURE(PSF) = 2294.
REYNOLDS NUMBER PER FOOT = 8.4250E 06
MODEL ANGLE OF ATTACK(DEG) = 3.98
FIN ANGLE(DEG) = -0.56
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 580.

SCANIVALE	CP(REF)
147	0.2376
247	0.2376
347	0.2376
447	0.2406
547	0.2346
647	0.2346
747	0.2356

ORF	CP	ORF	CP	ORF	CP
1	0.0816	52	-0.1524	102	-0.5404
2	-0.2844	53	-0.3744	103	-0.8434
3	-0.3194	54	-0.4654	104	-0.8294
4	-0.2014	55	-0.0774	105	-0.7094
5	-0.1224	56	-0.0234	110	-0.0234
6	-0.0714	57	-0.0124	111	-0.0974
7	-0.0504	58	-0.0254	112	-0.0454
8	-0.0354	59	-0.0384	113	-0.1564
9	-0.0304	60	-0.0524	114	-0.1924
10	-0.0304	61	-0.0734	115	-0.1414
11	-0.0374	62	-0.1124	116	-0.0294
12	-0.0504	63	-0.1684	117	0.0266
13	-0.0854	64	-0.5284	118	-0.0144
14	-0.2394	65	-0.5104	119	-0.0144
15	-0.3534	66	-0.2334	120	0.0016
16	-0.1354	67	-0.0454	121	0.0196
17	-0.1644	68	-0.0324	122	-0.1304
18	-0.1054	69	-0.0434	123	-0.1514
19	-0.0804	70	-0.0604	124	-0.0184
20	-0.0544	71	-0.0864	125	0.0096
21	-0.0414	72	-0.1274	126	0.0296
22	-0.0264	73	-0.2054	127	0.0166
23	-0.0244	74	-0.5194	128	-0.1264
24	-0.0304	75	-0.3114	129	-0.0474
25	-0.0394	76	-0.0624	135	0.0246
26	-0.0624	77	-0.0624	136	0.0246
27	-0.1074	78	-0.0824	137	0.0296
28	-0.2524	79	-0.1144	138	0.1436
29	-0.3824	80	-0.1424	139	0.1446
30	-0.0744	81	-0.2434	140	0.1446
32	-0.0424	82	-0.5024	141	0.1626
33	-0.0424	83	-0.3374	142	0.1636
34	-0.0264	84	-0.1434	143	0.1596
35	-0.0214	85	-0.1184	145	0.0346
36	-0.0214	86	-0.1124	147	0.1606
37	-0.0284	87	-0.1314	151	-0.1014
38	-0.0454	88	-0.2144	152	-0.3024
39	-0.0684	89	-0.5204	153	-0.2474
40	-0.1184	90	-0.3884	154	-0.3024
41	-0.2414	91	-0.1714	155	-0.0694
42	-0.4004	92	-0.1154	156	-0.0394
43	-0.0464	93	-0.1414	157	-0.1744
44	-0.0244	94	-0.1764	158	0.3506
45	-0.0224	95	-0.5164	159	0.0646
46	-0.0194	96	-0.1924	160	0.0176
47	-0.0224	97	-0.5014	161	-0.0674
48	-0.0274	98	0.1296	162	0.2606
49	-0.0394	99	0.1086	163	0.1196
50	-0.0594	100	-0.2354	164	0.1436
51	-0.0994	101	-0.5994	165	-0.1194

ORF	CP	ORF	CP	ORF	CP
166	0.3336	217	-0.0704	268	-0.4694
167	0.1036	218	-0.0214	269	-0.3154
168	0.0606	219	-0.0094	270	-0.2314
169	-0.0464	220	-0.0294	271	-0.5554
170	0.0956	221	-0.3574	272	-0.5574
171	0.0086	222	-0.2944	273	-0.2124
172	-0.1564	223	0.1476	274	-0.1974
173	-0.0664	224	0.2016	275	0.3186
174	-0.1774	225	0.2336	276	0.3146
175	-0.2864	226	0.0866	277	0.1546
176	-0.3474	227	-0.5234	278	-0.7174
177	-0.3664	228	-0.4984	279	-0.6724
178	-0.4774	229	-0.4504	280	-0.5724
179	-0.4164	230	-0.2944	281	-0.3654
180	-0.2814	231	-0.0984	282	-0.1424
181	0.1946	232	-0.0344	283	-0.0724
182	0.3236	233	-0.0174	284	-0.0304
183	0.4896	234	-0.0324	285	-0.0684
184	0.6466	235	-0.1844	286	-0.6024
185	0.7006	236	-0.1444	287	-0.4084
186	0.7776	237	0.0596	288	-0.1574
187	0.8266	238	0.0636	289	-0.1894
188	0.9576	239	0.2856	290	-0.2984
189	1.0146	240	0.1716	291	-0.5494
190	0.3806	241	-0.6214	292	0.0836
191	-0.2694	242	-0.5904	325	0.3166
192	-0.2534	244	-0.3424	326	0.3606
193	-0.2574	245	-0.1294	327	0.3806
194	-0.2654	246	-0.0584	328	0.4126
195	-0.2724	247	-0.0274	329	0.4686
196	-0.2594	248	-0.0284	330	0.5146
197	-0.2564	249	-0.0604	331	0.6296
198	-0.2634	250	-0.0094	332	0.7496
199	-0.2644	251	-0.2734	333	0.8076
200	-0.2694	252	-0.4624	334	0.9326
201	-0.2644	253	0.3166	335	1.0236
202	-0.2664	254	0.1646	336	1.0556
203	-0.2624	255	-0.6704	337	1.0696
204	-0.2684	256	-0.6424	338	1.1016
205	0.2436	257	-0.5954	339	1.1626
206	0.2616	258	-0.4234	340	1.0746
207	0.2586	259	-0.1654	341	1.0806
208	0.2506	260	-0.0674	350	0.2206
210	0.3186	261	-0.0254	351	0.2476
211	0.2816	262	-0.0284	352	0.2976
212	0.1496	263	-0.2974	353	0.3106
213	-0.6374	264	-0.3464	354	0.3036
214	-0.4984	265	-0.4024	355	0.2656
215	-0.4434	266	-0.3164		
216	-0.2514	267	-0.3634		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 105
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 202.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.999
TUNNEL DYNAMIC PRESSURE(PSF) = 1605.
TUNNEL STAGNATION PRESSURE(PSF) = 4343.
TUNNEL STATIC PRESSURE(PSF) = 2297.
REYNOLDS NUMBER PER FOOT = 8.4130E 06
MODEL ANGLE OF ATTACK(DEG) = 7.98
FIN ANGLE(DEG) = -0.48
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 581.

SCAN VALUE	CP(REF)
147	0.2298
247	0.2298
347	0.2298
447	0.2328
547	0.2208
647	0.2208
747	0.2208

ORF	CP	ORF	CP	ORF	CP
1	-0.0402	52	-0.2862	102	-0.5712
2	-0.3282	53	-0.4862	103	-1.4312
3	-0.3132	54	-0.4822	104	-0.8662
4	-0.2322	55	-0.4722	105	-0.7662
5	-0.1732	56	-0.2552	110	0.0018
6	-0.1412	57	-0.1512	111	-0.0752
7	-0.1262	58	-0.1522	112	-0.0332
8	-0.1172	59	-0.1622	113	-0.1602
9	-0.1122	60	-0.1812	114	-0.2092
10	-0.1102	61	-0.2122	115	-0.1452
11	-0.1202	62	-0.2592	116	-0.0172
12	-0.1342	63	-0.3312	117	0.0168
13	-0.1652	64	-0.5672	118	-0.0302
14	-0.3122	65	-0.5232	119	-0.0312
15	-0.4122	66	-0.5922	120	-0.0042
16	-0.2172	67	-0.5102	121	0.0058
17	-0.2152	68	-0.3122	122	-0.1192
18	-0.1732	69	-0.2012	123	-0.1992
19	-0.1592	70	-0.1892	124	-0.0462
20	-0.1412	71	-0.2112	125	-0.0332
21	-0.1282	72	-0.2582	126	-0.0102
22	-0.1152	73	-0.3342	127	-0.0222
23	-0.1122	74	-0.5662	128	-0.1282
24	-0.1162	75	-0.5962	129	-0.0502
25	-0.1282	76	-0.5712	135	0.0048
26	-0.1472	77	-0.5092	136	0.0118
27	-0.1912	78	-0.4182	137	0.0128
28	-0.3272	79	-0.3202	138	0.1358
29	-0.4342	80	-0.2972	139	0.1378
30	-0.1762	81	-0.3602	140	0.1378
32	-0.1402	82	-0.5642	141	0.1728
33	-0.1422	83	-0.5672	142	0.1678
34	-0.1252	84	-0.6412	143	0.1638
35	-0.1242	85	-0.5892	145	0.0088
36	-0.1212	86	-0.4872	147	0.1688
37	-0.1262	87	-0.4072	151	-0.0432
38	-0.1422	88	-0.4082	152	-0.3122
39	-0.1702	89	-0.5642	153	-0.2872
40	-0.2162	90	-0.6582	154	-0.2932
41	-0.3312	91	-0.5662	155	-0.1282
42	-0.4502	92	-0.5272	156	-0.0352
43	-0.2242	93	-0.5312	157	-0.1932
44	-0.1522	94	-0.5332	158	0.3898
45	-0.1482	95	-0.6432	159	0.0958
46	-0.1452	96	-0.2382	160	0.0408
47	-0.1462	97	-0.4722	161	-0.0522
48	-0.1522	98	0.1468	162	0.3308
49	-0.1682	99	0.1548	163	0.1798
50	-0.1882	100	-0.2992	164	0.1398
51	-0.2272	101	-0.6252	165	-0.1082

ORF	CP	ORF	CP	ORF	CP
166	0.4188	217	-0.2522	268	-0.5282
167	0.1508	218	-0.0712	269	-0.3512
168	0.1098	219	-0.0362	270	-0.2682
169	-0.0182	220	-0.0432	271	-0.5772
170	0.0468	221	-0.3742	272	-0.5422
171	0.0418	222	-0.3312	273	-0.2642
172	-0.1562	223	0.1528	274	-0.2412
173	-0.0362	224	0.2278	275	0.2258
174	-0.2102	225	0.2648	276	0.1878
175	-0.3062	226	0.1008	277	0.0508
176	-0.4062	227	-1.4312	278	-0.6692
177	-0.3482	228	-1.4312	279	-0.6362
178	-0.4342	229	-1.4312	280	-0.5392
179	-0.4332	230	-0.5782	281	-0.3212
180	-0.2992	231	-0.2192	282	-0.1732
181	0.0208	232	-0.0902	283	-0.1372
182	0.1778	233	-0.0532	284	-0.1092
183	0.4518	234	-0.0472	285	-0.1462
184	0.5698	235	-0.2412	286	-0.6132
185	0.6088	236	-0.1422	287	-0.4182
186	0.6448	237	0.1118	288	-0.2282
187	0.6718	238	0.1058	289	-0.2382
188	0.7868	239	0.2568	290	-0.3142
189	0.8618	240	0.1358	291	-0.4482
190	0.4308	241	-0.8302	292	0.2318
191	-0.2882	242	-0.7412	325	0.4098
192	-0.2762	244	-0.5342	326	0.4568
193	-0.2782	245	-0.2472	327	0.4918
194	-0.2722	246	-0.1372	328	0.5278
195	-0.2892	247	-0.0962	329	0.5898
196	-0.2892	248	-0.0932	330	0.6478
197	-0.2772	249	-0.1142	331	0.7658
198	-0.2832	250	0.0028	332	0.8498
199	-0.2762	251	-0.2782	333	0.8718
200	-0.2852	252	-0.3832	334	0.8738
201	-0.2802	253	0.1948	335	0.8698
202	-0.2742	254	0.0468	336	0.8768
203	-0.2712	255	-0.7032	337	0.9348
204	-0.2722	256	-0.6742	338	1.0308
205	0.2058	257	-0.6012	339	1.1758
206	0.2278	258	-0.4212	340	1.0898
207	0.2128	259	-0.2162	341	1.1268
208	0.1988	260	-0.1502	350	0.3198
210	0.3408	261	-0.1142	351	0.3368
211	0.3288	262	-0.1242	352	0.3708
212	0.1818	263	-0.3622	353	0.3768
213	-1.4312	264	-0.4612	354	0.3578
214	-0.8652	265	-0.4292	355	0.3138
215	-0.8022	266	-0.3202		
216	-0.6682	267	-0.4152		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 106
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 202.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.999
TUNNEL DYNAMIC PRESSURE(PSF) = 1605.
TUNNEL STAGNATION PRESSURE(PSF) = 4342.
TUNNEL STATIC PRESSURE(PSF) = 2296.
REYNOLDS NUMBER PER FOOT = 8.4130E 06
MODEL ANGLE OF ATTACK(DEG) = 14.18
FIN ANGLE(DEG) = -0.38
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 581.

SCANIVALE	CP(REF)
147	0.2155
247	0.2155
347	0.2155
447	0.2175
547	0.2065
647	0.2065
747	0.2065

ORF	CP	ORF	CP	ORF	CP
1	-0.1855	52	-0.3105	102	-0.6125
2	-0.5505	53	-0.5125	103	-1.4305
3	-0.6535	54	-0.5495	104	-0.8915
4	-0.4345	55	-0.4995	105	-0.7945
5	-0.3375	56	-0.4595	110	0.0405
6	-0.2595	57	-0.3245	111	-0.0405
7	-0.2305	58	-0.2615	112	0.0115
8	-0.2125	59	-0.2605	113	-0.1455
9	-0.1895	60	-0.2305	114	-0.2205
10	-0.1945	61	-0.2565	115	-0.1365
11	-0.1965	62	-0.2955	116	0.0405
12	-0.2045	63	-0.3485	117	0.0575
13	-0.2265	64	-0.6305	118	-0.0255
14	-0.3685	65	-0.5835	119	-0.0315
15	-0.4735	66	-0.6055	120	-0.0185
16	-0.4675	67	-0.5265	121	-0.0295
17	-0.5065	68	-0.4155	122	-0.1375
18	-0.4355	69	-0.3695	123	-0.2855
19	-0.3115	70	-0.3435	124	-0.0695
20	-0.2495	71	-0.3285	125	-0.0515
21	-0.2155	72	-0.3525	126	-0.0295
22	-0.2125	73	-0.4145	127	-0.0385
23	-0.2055	74	-0.6075	128	-0.1335
24	-0.1965	75	-0.6625	129	-0.0515
25	-0.2045	76	-0.6405	135	-0.0125
26	-0.2175	77	-0.5685	136	-0.0245
27	-0.2585	78	-0.4865	137	-0.0125
28	-0.3805	79	-0.4735	138	0.1245
29	-0.4935	80	-0.4575	139	0.1175
30	-0.4995	81	-0.5355	140	0.1215
32	-0.2685	82	-0.6515	141	0.1965
33	-0.2415	83	-0.6635	142	0.1825
34	-0.2005	84	-0.7265	143	0.1695
35	-0.2035	85	-0.6775	145	-0.0195
36	-0.1945	86	-0.6205	147	0.1815
37	-0.1995	87	-0.5825	151	-0.0455
38	-0.2095	88	-0.5785	152	-0.2955
39	-0.2285	89	-0.6695	153	-0.2995
40	-0.2655	90	-0.7685	154	-0.2945
41	-0.3755	91	-0.7805	155	-0.1315
42	-0.5145	92	-0.7395	156	-0.0145
43	-0.5225	93	-0.6925	157	-0.1615
44	-0.3485	94	-0.6465	158	0.3245
45	-0.2525	95	-0.7245	159	0.1095
46	-0.2015	96	-0.3525	160	0.0505
47	-0.1975	97	-0.5615	161	-0.0385
48	-0.2025	98	0.0595	162	0.2395
49	-0.2115	99	0.1105	163	0.1075
50	-0.2285	100	-0.3445	164	0.1145
51	-0.2635	101	-0.6575	165	-0.1265

ORF	CP	ORF	CP	ORF	CP
166	0.2645	217	-0.3795	268	-0.5525
167	0.0935	218	-0.2745	269	-0.3515
168	0.0475	219	-0.1185	270	-0.2725
169	-0.0715	220	-0.1055	271	-0.6115
170	-0.0195	221	-0.4075	272	-0.6115
171	0.0415	222	-0.3565	273	-0.2905
172	-0.1355	223	0.0815	274	-0.2605
173	-0.0325	224	0.1445	275	0.1895
174	-0.2035	225	0.2375	276	0.0945
175	-0.3195	226	0.1085	277	-0.0345
176	-0.3735	227	-1.4305	278	-1.4305
177	-0.3285	228	-1.4305	279	-0.9015
178	-0.3995	229	-1.4305	280	-0.8055
179	-0.3945	230	-0.6815	281	-0.6275
180	-0.2915	231	-0.3985	282	-0.3585
181	0.1135	232	-0.2215	283	-0.2565
182	0.3935	233	-0.1265	284	-0.1945
183	0.7315	234	-0.1145	285	-0.2025
184	0.9435	235	-0.3245	286	-0.6445
185	0.9715	236	-0.1665	287	-0.5255
186	1.0575	237	0.0885	288	-0.2625
187	1.0055	238	0.0745	289	-0.2595
188	1.1355	239	0.1565	290	-0.3045
189	1.1395	240	0.0585	291	-0.3305
190	0.5875	241	-1.4305	292	0.3375
191	-0.2865	242	-1.4305	325	0.3305
192	-0.2665	244	-0.6575	326	0.3985
193	-0.2735	245	-0.3585	327	0.4425
194	-0.2745	246	-0.2315	328	0.4855
195	-0.3075	247	-0.1715	329	0.5285
196	-0.2875	248	-0.1485	330	0.5695
197	-0.2685	249	-0.1755	331	0.7145
198	-0.2785	250	-0.0095	332	0.8095
199	-0.2775	251	-0.2605	333	0.8675
200	-0.2915	252	-0.3435	334	0.8995
201	-0.2815	253	0.0735	335	0.8855
202	-0.2845	254	-0.0655	336	0.8645
203	-0.2815	255	-1.4305	337	0.7915
204	-0.2915	256	-1.4305	338	0.7575
205	0.0995	257	-0.8125	339	0.7295
206	0.1315	258	-0.6095	340	0.6925
207	0.1005	259	-0.3545	341	0.7085
208	0.0645	260	-0.2575	350	0.4165
210	0.1235	261	-0.1985	351	0.4165
211	0.2255	262	-0.1865	352	0.4315
212	0.1155	263	-0.4165	353	0.4335
213	-0.8565	264	-0.4875	354	0.3995
214	-0.6925	265	-0.4115	355	0.3655
215	-0.6165	266	-0.2975		
216	-0.4805	267	-0.4655		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 107
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 202.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.006
TUNNEL DYNAMIC PRESSURE(PSF) = 1613.
TUNNEL STAGNATION PRESSURE(PSF) = 4341.
TUNNEL STATIC PRESSURE(PSF) = 2278.
REYNOLDS NUMBER PER FOOT = 8.4270E 06
MODEL ANGLE OF ATTACK(DEG) = 0.05
FIN ANGLE(DEG) = -0.24
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 580.

SCANIVALE	CP(REF)
147	0.2187
247	0.2177
347	0.2187
447	0.2217
547	0.2177
647	0.2187
747	0.2187

ORF	CP	ORF	CP	ORF	CP
1	0.1727	52	-0.0223	102	-0.5693
2	-0.2483	53	-0.2593	103	-0.8263
3	-0.3223	54	-0.4253	104	-0.8203
4	-0.1663	55	0.1907	105	-0.7113
5	-0.0623	56	0.1577	110	-0.0433
6	-0.0023	57	0.1497	111	-0.1153
7	0.0467	58	0.1257	112	-0.0573
8	0.0617	59	0.1087	113	-0.1403
9	0.0717	60	0.0867	114	-0.1513
10	0.0707	61	0.0567	115	-0.1013
11	0.0617	62	0.0167	116	-0.0173
12	0.0477	63	-0.0513	117	0.0217
13	0.0107	64	-0.4493	118	-0.0093
14	-0.1443	65	-0.4373	119	-0.0103
15	-0.2713	66	0.1757	120	0.0057
16	-0.1023	67	0.1577	121	0.0187
17	-0.1113	68	0.1307	122	-0.1583
18	-0.0263	69	0.1047	123	-0.1323
19	0.0087	70	0.0757	124	-0.0383
20	0.0437	71	0.0407	125	-0.0053
21	0.0657	72	-0.0053	126	0.0257
22	0.0837	73	-0.0913	127	0.0077
23	0.0857	74	-0.4503	128	-0.1513
24	0.0807	75	0.1677	129	-0.0593
25	0.0707	76	0.1337	135	0.0267
26	0.0497	77	0.0947	136	0.0287
27	0.0027	78	0.0567	137	0.0307
28	-0.1433	79	0.0107	138	0.1457
29	-0.2993	80	-0.0413	139	0.1437
30	0.0467	81	-0.1663	140	0.1467
32	0.0777	82	-0.4643	141	0.1597
33	0.0777	83	0.1297	142	0.1607
34	0.0957	84	0.0887	143	0.1587
35	0.0957	85	0.0357	145	0.0267
36	0.0957	86	-0.0073	147	0.1597
37	0.0837	87	-0.0533	151	-0.0153
38	0.0717	88	-0.1453	152	-0.2853
39	0.0447	89	-0.4833	153	-0.2723
40	-0.0033	90	0.0417	154	-0.3173
41	-0.1203	91	0.0117	155	0.0177
42	-0.3363	92	-0.0263	156	0.0227
43	0.1577	93	-0.0683	157	-0.1463
44	0.1417	94	-0.1063	158	0.4577
45	0.1297	95	-0.4873	159	0.1797
46	0.1227	96	-0.3193	160	0.1257
47	0.1157	97	-0.4483	161	0.0217
48	0.1047	98	0.1147	162	0.3817
49	0.0897	99	0.0797	163	0.2397
50	0.0697	100	-0.1643	164	0.1437
51	0.0287	101	-0.6243	165	-0.0513

ORF	CP	ORF	CP	ORF	CP
166	0.4537	217	-0.0913	268	-0.4373
167	0.1927	218	0.0247	269	-0.3253
168	0.1607	219	0.0657	270	-0.2303
169	0.0187	220	0.0457	271	-0.5653
170	0.2307	221	-0.2963	272	-0.5903
171	0.0797	222	-0.2283	273	-0.2063
172	-0.1183	223	0.2457	274	-0.1753
173	-0.0223	224	0.3067	275	0.4177
174	-0.1323	225	0.2957	276	0.3967
175	-0.3313	226	0.1427	277	0.2407
176	-0.3843	227	-0.5043	278	-0.6753
177	-0.3133	228	-0.4883	279	-0.6203
178	-0.4413	229	-0.4743	280	-0.5453
179	-0.3743	230	-0.3313	281	-0.3863
180	-0.2953	231	-0.0793	282	-0.1133
181	0.2797	232	0.0117	283	0.0057
182	0.4027	233	0.0487	284	0.0697
183	0.4897	234	0.0377	285	0.0217
184	0.6437	235	-0.1253	286	-0.6283
185	0.7077	236	-0.0873	287	-0.3943
186	0.7737	237	0.1417	288	-0.1213
187	0.7717	238	0.1157	289	-0.1533
188	0.8527	239	0.3007	290	-0.3153
189	0.9137	240	0.1817	291	-0.5423
190	0.3187	241	-0.4863	292	0.0317
191	-0.2813	242	-0.4603	325	0.3997
192	-0.2613	244	-0.2253	326	0.4347
193	-0.2703	245	-0.0393	327	0.4437
194	-0.2753	246	0.0087	328	0.4567
195	-0.2773	247	0.0357	329	0.4727
196	-0.2803	248	0.0337	330	0.4967
197	-0.2743	249	-0.0073	331	0.5357
198	-0.2853	250	-0.0013	332	0.5937
199	-0.2783	251	-0.2683	333	0.6627
200	-0.2773	252	-0.4503	334	0.8227
201	-0.2773	253	0.3307	335	0.9857
202	-0.2703	254	0.1827	336	1.0977
203	-0.2773	255	-0.5233	337	1.1167
204	-0.2773	256	-0.5093	338	1.1507
205	0.3057	257	-0.4933	339	1.2097
206	0.3327	258	-0.3873	340	1.0947
207	0.3337	259	-0.0993	341	1.0987
208	0.3337	260	0.0147	350	0.1167
210	0.4727	261	0.0597	351	0.1427
211	0.3757	262	0.0547	352	0.2017
212	0.2337	263	-0.2223	353	0.2427
213	-0.6353	264	-0.2983	354	0.2447
214	-0.5473	265	-0.4083	355	0.2107
215	-0.5103	266	-0.3293		
216	-0.3663	267	-0.2933		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 108
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 8.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.343
TUNNEL DYNAMIC PRESSURE(PSF) = 1290.
TUNNEL STAGNATION PRESSURE(PSF) = 3003.
TUNNEL STATIC PRESSURE(PSF) = 1022.
REYNOLDS NUMBER PER FOOT = 5.9590E 06
MODEL ANGLE OF ATTACK(DEG) = -14.37
FIN ANGLE(DEG) = -0.13
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 578.

SCANIVALE	CP(REF)
147	0.5308
247	0.5308
347	0.5308
447	0.5308
547	0.5318
647	0.5318
747	0.5318

ORF	CP	ORF	CP	ORF	CP
1	0.7008	52	0.5088	102	-0.2112
2	0.4958	53	0.2708	103	-0.4142
3	0.4688	54	0.2258	104	-0.4022
4	0.5238	55	0.8368	105	-0.3022
5	0.5518	56	0.7908	110	-0.0332
6	0.5758	57	0.7588	111	-0.0352
7	0.5968	58	0.7178	112	-0.0382
8	0.6038	59	0.6898	113	-0.0722
9	0.6068	60	0.6498	114	-0.2272
10	0.6008	61	0.6108	115	-0.1302
11	0.5948	62	0.5558	116	0.0618
12	0.5808	63	0.4748	117	0.0208
13	0.5498	64	0.1028	118	0.0138
14	0.3948	65	0.1838	119	0.0038
15	0.2968	66	0.8378	120	-0.0452
16	0.6078	67	0.7768	121	-0.1192
17	0.5918	68	0.7418	122	-0.1722
18	0.6128	69	0.6968	123	-0.2132
19	0.6078	70	0.6508	124	-0.1512
20	0.6188	71	0.6018	125	-0.1322
21	0.6278	72	0.5348	126	-0.1162
22	0.6308	73	0.4288	127	-0.1242
23	0.6258	74	0.1588	128	-0.2062
24	0.6218	75	0.8268	129	-0.1172
25	0.6068	76	0.7518	135	-0.0982
26	0.5848	77	0.7018	136	-0.1002
27	0.5388	78	0.6438	137	-0.1012
28	0.4038	79	0.5738	138	-0.0032
29	0.2738	80	0.4888	139	0.0048
30	0.7218	81	0.3308	140	-0.0172
32	0.6898	82	0.1168	141	0.1128
33	0.6668	83	0.7608	142	0.1198
34	0.6698	84	0.7108	143	0.1228
35	0.6578	85	0.6278	145	-0.1112
36	0.6508	86	0.5458	147	0.1158
37	0.6378	87	0.4508	151	0.5838
38	0.6158	88	0.3208	152	0.2908
39	0.5888	89	0.0668	153	0.0908
40	0.5378	90	0.7068	154	-0.1362
41	0.4218	91	0.5268	155	0.4958
42	0.2598	92	0.4138	156	0.5218
43	0.8018	93	0.3448	157	0.3088
44	0.7588	94	0.2898	158	0.8898
45	0.7398	95	0.0018	159	0.6998
46	0.7188	96	-0.3492	160	0.6188
47	0.6938	97	-0.1552	161	0.4988
48	0.6728	98	-0.4922	162	0.8648
49	0.6488	99	-0.5332	163	0.7468
50	0.6198	100	-0.4492	164	-0.0112
51	0.5718	101	-0.2342	165	0.4408

ORF	CP	ORF	CP	ORF	CP
166	0.9508	217	-0.0862	268	0.0228
167	0.7088	218	0.3078	269	0.0148
168	0.6598	219	0.5518	270	0.1608
169	0.5298	220	0.5498	271	-0.1002
170	0.6228	221	0.2558	272	-0.1262
171	0.6158	222	0.3118	273	0.1698
172	0.3968	223	0.7108	274	0.1698
173	0.5328	224	0.7748	275	0.4968
174	0.3458	225	0.6828	276	0.7818
175	0.1758	226	0.5808	277	0.7588
176	-0.1232	227	-0.4992	278	0.1578
177	0.2938	228	-0.4082	279	0.2858
178	0.1948	229	-0.3252	280	0.3698
179	0.2218	230	-0.1682	281	0.4668
180	-0.3612	231	0.0158	282	0.5408
181	0.8168	232	0.3758	283	0.5748
182	0.9258	233	0.5438	284	0.6088
183	0.0888	234	0.5588	285	0.5548
184	0.2938	235	0.3888	286	-0.2282
185	0.3978	236	0.4418	287	-0.0582
186	0.7648	237	0.6518	288	0.2338
187	1.0108	238	0.6848	289	0.2008
188	1.2048	239	0.6428	290	-0.0122
189	1.2538	240	0.5958	291	-0.4782
190	0.5158	241	-0.4572	292	0.0248
191	-0.3392	242	-0.3202	325	0.8998
192	-0.3422	244	0.0088	326	1.0038
193	-0.3422	245	0.2898	327	1.0698
194	-0.3472	246	0.4358	328	1.1648
195	-0.3272	247	0.5288	329	1.2418
196	-0.3952	248	0.5438	330	1.3198
197	-0.3492	249	0.5138	331	1.4358
198	-0.3632	250	-0.0252	332	1.4568
199	-0.3842	251	-0.3412	333	1.4718
200	-0.3372	252	-0.1592	334	1.5018
201	-0.3412	253	0.7558	335	1.5118
202	-0.3442	254	0.6948	336	1.5238
203	-0.3442	255	-0.3982	337	1.5278
204	-0.3432	256	-0.2472	338	1.5278
205	0.0508	257	-0.1352	339	1.5308
206	0.1748	258	0.1268	340	1.5308
207	0.0608	259	0.3878	341	1.5318
208	0.1178	260	0.5018	350	0.1148
210	0.7218	261	0.5678	351	0.1858
211	0.7878	262	0.5648	352	0.0438
212	0.6798	263	0.3208	353	-0.0712
213	-0.3442	264	0.1998	354	-0.0892
214	-0.3002	265	-0.0102	355	-0.0832
215	-0.2542	266	0.0168		
216	-0.1782	267	0.2508		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 109
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 8.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.350
TUNNEL DYNAMIC PRESSURE(PSF) = 1287.
TUNNEL STAGNATION PRESSURE(PSF) = 2994.
TUNNEL STATIC PRESSURE(PSF) = 1009.
REYNOLDS NUMBER PER FOOT = 5.9250E 06
MODEL ANGLE OF ATTACK(DEG) = -8.16
FIN ANGLE(DEG) = -0.31
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 579.

SCANIVALE	CP(REF)
147	0.5410
247	0.5410
347	0.5420
447	0.5420
547	0.5420
647	0.5430
747	0.5430

ORF	CP	ORF	CP	ORF	CP
1	0.5600	52	0.4280	102	-0.2250
2	0.3400	53	0.2230	103	-0.4410
3	0.2960	54	0.0900	104	-0.4090
4	0.3150	55	0.6080	105	-0.3620
5	0.3270	56	0.5860	110	0.0090
6	0.3650	57	0.5790	111	-0.0040
7	0.3900	58	0.5630	112	-0.0010
8	0.4080	59	0.5470	113	-0.0560
9	0.4270	60	0.5300	114	-0.1800
10	0.4350	61	0.5060	115	-0.0870
11	0.4430	62	0.4730	116	0.0040
12	0.4430	63	0.4110	117	0.0120
13	0.4230	64	0.0640	118	-0.0060
14	0.2950	65	0.0860	119	-0.0170
15	0.1960	66	0.6550	120	-0.0010
16	0.4390	67	0.6120	121	-0.0540
17	0.3600	68	0.6030	122	-0.1800
18	0.3650	69	0.5700	123	-0.1800
19	0.3790	70	0.5400	124	-0.1040
20	0.3950	71	0.5080	125	-0.0750
21	0.4180	72	0.4580	126	-0.0470
22	0.4340	73	0.3730	127	-0.0650
23	0.4480	74	0.0710	128	-0.1950
24	0.4540	75	0.6800	129	-0.1060
25	0.4590	76	0.6190	135	-0.0470
26	0.4550	77	0.5850	136	-0.0510
27	0.4210	78	0.5480	137	-0.0510
28	0.3110	79	0.4900	138	0.0350
29	0.1780	80	0.4160	139	0.0370
30	0.4710	81	0.2800	140	0.0350
32	0.4610	82	0.0260	141	0.0880
33	0.4410	83	0.6370	142	0.0830
34	0.4580	84	0.6000	143	0.0740
35	0.4740	85	0.5320	145	-0.0560
36	0.4790	86	0.4550	147	0.0790
37	0.4860	87	0.3710	151	0.4770
38	0.4790	88	0.2630	152	0.2230
39	0.4680	89	-0.0210	153	0.0640
40	0.4370	90	0.5970	154	-0.1750
41	0.3470	91	0.4180	155	0.3960
42	0.1300	92	0.3170	156	0.5130
43	0.5470	93	0.2570	157	0.2870
44	0.5310	94	0.2320	158	0.8360
45	0.5210	95	-0.0830	159	0.6430
46	0.5260	96	-0.2020	160	0.5800
47	0.5250	97	-0.0490	161	0.4680
48	0.5210	98	-0.1450	162	0.7840
49	0.5190	99	-0.3080	163	0.6900
50	0.5010	100	-0.2510	164	0.0370
51	0.4730	101	-0.2540	165	0.4070

ORF	CP	ORF	CP	ORF	CP
166	0.8410	217	-0.0550	268	-0.0150
167	0.6570	218	0.0640	269	-0.0200
168	0.6080	219	0.3570	270	0.0970
169	0.4840	220	0.4510	271	-0.1420
170	0.6150	221	0.1820	272	-0.1580
171	0.5330	222	0.2830	273	0.1030
172	0.3340	223	0.6300	274	0.1170
173	0.4460	224	0.6910	275	0.3020
174	0.2940	225	0.5510	276	0.6520
175	0.0940	226	0.4620	277	0.6220
176	-0.1520	227	-0.4980	278	0.0550
177	0.2220	228	-0.3950	279	0.1640
178	0.1120	229	-0.2740	280	0.2280
179	0.1040	230	-0.0970	281	0.2860
180	-0.3350	231	-0.0400	282	0.3310
181	0.3550	232	0.0940	283	0.3680
182	0.4660	233	0.3720	284	0.4320
183	0.1910	234	0.4510	285	0.4260
184	0.2770	235	0.3260	286	-0.2450
185	0.3260	236	0.3730	287	-0.0410
186	0.4760	237	0.5490	288	0.1620
187	0.5410	238	0.5740	289	0.1480
188	0.6030	239	0.5720	290	-0.0540
189	0.6420	240	0.5200	291	-0.4750
190	0.3130	241	-0.4650	292	0.1280
191	-0.3070	242	-0.3450	325	0.7710
192	-0.3140	244	-0.0990	326	0.8600
193	-0.3160	245	0.0750	327	0.9330
194	-0.3230	246	0.2380	328	0.9630
195	-0.3060	247	0.3970	329	1.0440
196	-0.3470	248	0.4490	330	1.1300
197	-0.3240	249	0.4430	331	1.3800
198	-0.3320	250	0.0200	332	1.4980
199	-0.3390	251	-0.3160	333	1.5090
200	-0.3100	252	-0.1710	334	1.5040
201	-0.3120	253	0.6040	335	1.4930
202	-0.3170	254	0.5520	336	1.5080
203	-0.3180	255	-0.4470	337	1.5130
204	-0.3150	256	-0.2870	338	1.5160
205	0.2450	257	-0.1660	339	1.5160
206	0.2780	258	0.0270	340	1.5180
207	0.2780	259	0.2550	341	1.5220
208	0.3030	260	0.3310	350	0.2590
210	0.5590	261	0.4140	351	0.3140
211	0.6580	262	0.4420	352	0.2850
212	0.5660	263	0.2380	353	-0.0380
213	-0.3500	264	0.1440	354	-0.0470
214	-0.2740	265	-0.0390	355	-0.0050
215	-0.2250	266	-0.0270		
216	-0.1490	267	0.1660		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 110
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 8.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.354
TUNNEL DYNAMIC PRESSURE(PSF) = 1288.
TUNNEL STAGNATION PRESSURE(PSF) = 2994.
TUNNEL STATIC PRESSURE(PSF) = 1003.
REYNOLDS NUMBER PER FOOT = 5.9210E 06
MODEL ANGLE OF ATTACK(DEG) = -4.04
FIN ANGLE(DEG) = -0.43
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 579.

SCANIVALE	CP(REF)
147	0.5463
247	0.5463
347	0.5463
447	0.5463
547	0.5453
647	0.5453
747	0.5453

ORF	CP	ORF	CP	ORF	CP
1	0.3203	52	0.2693	102	-0.2247
2	0.1543	53	0.1233	103	-0.4317
3	0.1493	54	-0.0187	104	-0.4057
4	0.1943	55	0.3913	105	-0.3547
5	0.2133	56	0.3723	110	-0.0227
6	0.2153	57	0.3633	111	-0.0367
7	0.2233	58	0.3333	112	-0.0227
8	0.2323	59	0.3343	113	-0.0877
9	0.2373	60	0.3293	114	-0.1587
10	0.2433	61	0.3273	115	-0.0977
11	0.2453	62	0.3143	116	-0.0377
12	0.2463	63	0.2933	117	-0.0117
13	0.2243	64	0.0023	118	-0.0257
14	0.1233	65	0.0013	119	-0.0437
15	0.0513	66	0.4083	120	0.0113
16	0.2563	67	0.3813	121	-0.0417
17	0.2323	68	0.3683	122	-0.1707
18	0.2363	69	0.3653	123	-0.1587
19	0.2283	70	0.3673	124	-0.0877
20	0.2333	71	0.3553	125	-0.0557
21	0.2363	72	0.3373	126	-0.0297
22	0.2483	73	0.2943	127	-0.0417
23	0.2473	74	0.0023	128	-0.1797
24	0.2593	75	0.4473	129	-0.0947
25	0.2513	76	0.4213	135	-0.0347
26	0.2503	77	0.4033	136	-0.0427
27	0.2273	78	0.3913	137	-0.0477
28	0.1433	79	0.3713	138	0.0543
29	0.0323	80	0.3293	139	0.0573
30	0.3043	81	0.2243	140	0.0563
32	0.2753	82	-0.0427	141	0.0733
33	0.2583	83	0.4163	142	0.0743
34	0.2633	84	0.4333	143	0.0743
35	0.2653	85	0.3953	145	-0.0447
36	0.2683	86	0.3353	147	0.0763
37	0.2713	87	0.2633	151	0.3673
38	0.2693	88	0.1903	152	0.1043
39	0.2653	89	-0.0867	153	-0.0137
40	0.2473	90	0.4433	154	-0.2667
41	0.1793	91	0.2703	155	0.2863
42	-0.0037	92	0.1953	156	0.4413
43	0.3533	93	0.1533	157	0.2453
44	0.3333	94	0.1493	158	0.7753
45	0.3173	95	-0.1307	159	0.5773
46	0.3103	96	-0.1497	160	0.5323
47	0.3073	97	-0.0797	161	0.4393
48	0.2983	98	-0.0367	162	0.7023
49	0.2933	99	0.0013	163	0.6013
50	0.2973	100	0.0713	164	0.0543
51	0.2873	101	-0.2607	165	0.3423

ORF	CP	ORF	CP	ORF	CP
166	0.7363	217	-0.0017	268	-0.0747
167	0.5763	218	0.0673	269	-0.0287
168	0.5233	219	0.2043	270	0.0043
169	0.3973	220	0.2913	271	-0.1857
170	0.5713	221	0.0953	272	-0.1757
171	0.4523	222	0.1293	273	0.0313
172	0.2663	223	0.5103	274	0.0433
173	0.3413	224	0.5813	275	0.4023
174	0.2153	225	0.4803	276	0.4433
175	0.0073	226	0.3993	277	0.3653
176	-0.1997	227	-0.4647	278	-0.1137
177	0.1073	228	-0.3247	279	-0.0717
178	-0.0017	229	-0.1927	280	0.0123
179	-0.0107	230	-0.0537	281	0.1543
180	-0.3137	231	0.0073	282	0.2113
181	0.4993	232	0.0963	283	0.2153
182	0.6123	233	0.2153	284	0.2423
183	0.3703	234	0.2973	285	0.2283
184	0.5143	235	0.1903	286	-0.2537
185	0.6353	236	0.2613	287	-0.0327
186	0.7733	237	0.4513	288	0.0893
187	0.8433	238	0.4463	289	0.0753
188	0.9613	239	0.4723	290	-0.1007
189	1.0733	240	0.4063	291	-0.4667
190	0.3533	241	-0.4837	292	0.1663
191	-0.2827	242	-0.3617	325	0.6633
192	-0.2957	244	-0.0377	326	0.7003
193	-0.2967	245	0.0923	327	0.7133
194	-0.3017	246	0.1503	328	0.7143
195	-0.2857	247	0.2203	329	0.7083
196	-0.3277	248	0.2723	330	0.7163
197	-0.3017	249	0.2773	331	0.8943
198	-0.3057	250	0.0323	332	1.0953
199	-0.3147	251	-0.2907	333	1.2893
200	-0.2927	252	-0.2097	334	1.4893
201	-0.2927	253	0.4053	335	1.5093
202	-0.2947	254	0.3313	336	1.5193
203	-0.2967	255	-0.1837	337	1.5183
204	-0.2947	256	-0.0917	338	1.5143
205	0.3093	257	-0.0177	339	1.5133
206	0.3543	258	0.0953	340	1.5093
207	0.3473	259	0.1573	341	1.5113
208	0.3223	260	0.1843	350	0.1923
210	0.4563	261	0.2223	351	0.2373
211	0.5763	262	0.2493	352	0.1753
212	0.5033	263	0.0973	353	-0.0207
213	-0.3107	264	0.0403	354	-0.0637
214	-0.1937	265	-0.0607	355	0.0013
215	-0.1417	266	-0.0577		
216	-0.0597	267	0.0353		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 111
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 8.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.350
TUNNEL DYNAMIC PRESSURE(PSF) = 1289.
TUNNEL STAGNATION PRESSURE(PSF) = 2998.
TUNNEL STATIC PRESSURE(PSF) = 1010.
REYNOLDS NUMBER PER FOOT = 5.9230E 06
MODEL ANGLE OF ATTACK(DEG) = 0.07
FIN ANGLE(DEG) = -0.47
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 580.

SCAN VALUE	CP(REF)
147	0.5404
247	0.5404
347	0.5414
447	0.5414
547	0.5384
647	0.5394
747	0.5394

ORF	CP	ORF	CP	ORF	CP
1	0.4034	52	0.2114	102	-0.3336
2	0.0554	53	0.0634	103	-0.4526
3	-0.2656	54	-0.0716	104	-0.4386
4	-0.2316	55	0.0864	105	-0.3966
5	-0.1696	56	0.0314	110	-0.0276
6	-0.0446	57	0.0674	111	-0.0266
7	0.0704	58	0.1574	112	-0.0256
8	0.1324	59	0.2134	113	-0.0646
9	0.1454	60	0.2204	114	-0.1546
10	0.1604	61	0.2244	115	-0.1076
11	0.1764	62	0.2314	116	-0.0466
12	0.1854	63	0.2074	117	-0.0236
13	0.1934	64	-0.0516	118	-0.0366
14	0.1124	65	-0.0606	119	-0.0466
15	0.0174	66	0.0954	120	0.0294
16	0.1394	67	0.1104	121	-0.0376
17	-0.0516	68	0.1584	122	-0.1426
18	-0.1786	69	0.2264	123	-0.1546
19	-0.1846	70	0.2244	124	-0.0716
20	-0.0326	71	0.2324	125	-0.0446
21	0.0934	72	0.2304	126	-0.0196
22	0.1624	73	0.1954	127	-0.0336
23	0.1734	74	-0.0606	128	-0.1646
24	0.1804	75	0.1494	129	-0.0916
25	0.1824	76	0.1954	135	-0.0246
26	0.2004	77	0.2334	136	-0.0276
27	0.2064	78	0.2364	137	-0.0256
28	0.1284	79	0.2374	138	0.0384
29	-0.0166	80	0.2254	139	0.0404
30	0.0734	81	0.1434	140	0.0394
32	-0.1216	82	-0.0846	141	0.0824
33	-0.1386	83	0.1644	142	0.0764
34	0.0584	84	0.2434	143	0.0674
35	0.1624	85	0.2504	145	-0.0266
36	0.1884	86	0.2244	147	0.0704
37	0.1904	87	0.1884	151	0.2154
38	0.1994	88	0.1504	152	-0.0406
39	0.2084	89	-0.0916	153	-0.1436
40	0.2064	90	0.2314	154	-0.3886
41	0.1504	91	0.1784	155	0.2064
42	-0.0656	92	0.1704	156	0.2744
43	0.0674	93	0.1794	157	0.0834
44	0.0004	94	0.1914	158	0.6414
45	-0.0556	95	-0.0886	159	0.4624
46	0.0254	96	-0.2366	160	0.4094
47	0.1684	97	-0.0646	161	0.3144
48	0.2114	98	0.0314	162	0.5604
49	0.2124	99	0.2164	163	0.4854
50	0.2164	100	0.1314	164	0.0364
51	0.2154	101	-0.3536	165	0.2464

ORF	CP	ORF	CP	ORF	CP
166	0.6374	217	-0.1336	268	-0.1776
167	0.4454	218	0.0464	269	-0.1386
168	0.4134	219	0.1424	270	-0.0066
169	0.3064	220	0.1904	271	-0.3076
170	0.4294	221	0.0014	272	-0.2986
171	0.3234	222	-0.0036	273	-0.0046
172	0.1604	223	0.3244	274	0.0394
173	0.1834	224	0.4324	275	0.4414
174	0.0854	225	0.4064	276	0.5684
175	-0.1526	226	0.3014	277	0.4624
176	-0.2816	227	-0.5516	278	-0.4296
177	-0.0446	228	-0.4906	279	-0.3546
178	-0.1456	229	-0.4146	280	-0.2856
179	-0.1566	230	-0.1866	281	-0.2206
180	-0.3086	231	-0.0006	282	-0.1706
181	0.3494	232	0.0624	283	0.0194
182	0.4644	233	0.1264	284	0.1604
183	0.5614	234	0.1904	285	0.1904
184	0.7474	235	0.0804	286	-0.3556
185	0.7944	236	0.1194	287	-0.1596
186	0.8144	237	0.3194	288	0.0634
187	0.8624	238	0.2674	289	0.0544
188	0.9204	239	0.3824	290	-0.1606
189	0.9734	240	0.3074	291	-0.4696
190	0.3934	241	-0.3546	292	0.2344
191	-0.2886	242	-0.3066	325	0.5044
192	-0.2956	244	-0.0676	326	0.5454
193	-0.2966	245	0.0294	327	0.5654
194	-0.2986	246	0.0554	328	0.5724
195	-0.2976	247	0.1214	329	0.5594
196	-0.3066	248	0.1764	330	0.5384
197	-0.3016	249	0.1774	331	0.5444
198	-0.3046	250	0.0484	332	0.5614
199	-0.3086	251	-0.2916	333	0.6314
200	-0.3006	252	-0.2726	334	0.8544
201	-0.2946	253	0.4244	335	1.1034
202	-0.2936	254	0.3294	336	1.3744
203	-0.2946	255	-0.5456	337	1.4704
204	-0.2936	256	-0.4746	338	1.4814
205	0.3444	257	-0.3936	339	1.4734
206	0.3784	258	-0.2566	340	1.4804
207	0.3804	259	0.0014	341	1.4894
208	0.3814	260	0.0524	350	0.2334
210	0.4774	261	0.1344	351	0.2574
211	0.5104	262	0.2124	352	0.2094
212	0.4324	263	0.0144	353	0.1824
213	-0.3856	264	-0.0326	354	-0.0056
214	-0.3316	265	-0.1616	355	0.0584
215	-0.2886	266	-0.1396		
216	-0.2276	267	-0.0466		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 112
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 8.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.351
TUNNEL DYNAMIC PRESSURE(PSF) = 1291.
TUNNEL STAGNATION PRESSURE(PSF) = 3004.
TUNNEL STATIC PRESSURE(PSF) = 1010.
REYNOLDS NUMBER PER FOOT = 5.9320E 06
MODEL ANGLE OF ATTACK(DEG) = 3.99
FIN ANGLE(DEG) = -0.22
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 580.

SCANIVALE	CP(REF)
147	0.5737
247	0.5727
347	0.5737
447	0.5747
547	0.5727
647	0.5747
747	0.5747

ORF	CP	ORF	CP	ORF	CP
1	0.3127	52	0.0867	102	-0.2953
2	-0.0173	53	-0.0493	103	-0.4853
3	-0.2093	54	-0.1153	104	-0.4663
4	-0.1233	55	0.0247	105	-0.4193
5	-0.0853	56	-0.0323	110	-0.0173
6	-0.0863	57	-0.0553	111	-0.0183
7	-0.0833	58	-0.0733	112	-0.0363
8	-0.0733	59	-0.0693	113	-0.0623
9	-0.0313	60	-0.0093	114	-0.1673
10	0.0167	61	0.0537	115	-0.1263
11	0.0567	62	0.0857	116	-0.0413
12	0.0887	63	0.0887	117	-0.0233
13	0.1187	64	-0.1253	118	-0.0223
14	0.0327	65	-0.1233	119	-0.0383
15	-0.0653	66	-0.0233	120	0.0147
16	0.0867	67	-0.0373	121	-0.0453
17	-0.0673	68	-0.0623	122	-0.1263
18	-0.0973	69	-0.0733	123	-0.1653
19	-0.0903	70	-0.0643	124	-0.0843
20	-0.0943	71	-0.0103	125	-0.0553
21	-0.0983	72	0.0667	126	-0.0363
22	-0.0743	73	0.0737	127	-0.0513
23	-0.0423	74	-0.1173	128	-0.1553
24	0.0237	75	-0.0503	129	-0.0843
25	0.0667	76	-0.0443	135	-0.0323
26	0.0947	77	-0.0593	136	-0.0383
27	0.1017	78	-0.0653	137	-0.0373
28	0.0207	79	-0.0333	138	0.0477
29	-0.0873	80	0.0367	139	0.0467
30	0.0347	81	0.0427	140	0.0487
32	-0.0713	82	-0.0803	141	0.0897
33	-0.0903	83	-0.0643	142	0.0887
34	-0.0893	84	-0.0443	143	0.0937
35	-0.0793	85	-0.0643	145	-0.0373
36	-0.0443	86	-0.0653	147	0.0907
37	0.0057	87	0.0297	151	0.1157
38	0.0657	88	0.0637	152	-0.0803
39	0.0857	89	-0.0803	153	-0.1753
40	0.0967	90	-0.2963	154	-0.3933
41	0.0247	91	0.0187	155	0.1337
42	-0.1023	92	0.0147	156	0.1387
43	0.0297	93	0.0007	157	-0.0123
44	-0.0213	94	0.0777	158	0.5007
45	-0.0583	95	-0.0813	159	0.2617
46	-0.0743	96	-0.2563	160	0.2377
47	-0.0753	97	-0.1623	161	0.1597
48	-0.0523	98	0.2097	162	0.4167
49	0.0017	99	0.2467	163	0.3197
50	0.0687	100	0.0727	164	0.0467
51	0.0917	101	-0.3353	165	0.1097

ORF	CP	ORF	CP	ORF	CP
166	0.4657	217	-0.0133	268	-0.2123
167	0.2987	218	0.0477	269	-0.0973
168	0.2577	219	0.0617	270	-0.0133
169	0.1657	220	0.1047	271	-0.2873
170	0.3227	221	-0.0643	272	-0.2963
171	0.1957	222	-0.0363	273	0.0047
172	0.0517	223	0.2807	274	0.0047
173	0.1357	224	0.3287	275	0.3757
174	0.0227	225	0.3557	276	0.4947
175	-0.1383	226	0.2627	277	0.3847
176	-0.3063	227	-0.5343	278	-0.4543
177	-0.0973	228	-0.4673	279	-0.3773
178	-0.1933	229	-0.3613	280	-0.3093
179	-0.1493	230	-0.1333	281	-0.1783
180	-0.3073	231	-0.0043	282	-0.0823
181	0.2817	232	0.0117	283	-0.0813
182	0.4297	233	0.0517	284	0.0057
183	0.5197	234	0.1107	285	0.1137
184	0.6787	235	0.0237	286	-0.3103
185	0.7547	236	0.0717	287	-0.1843
186	0.8707	237	0.2307	288	0.0357
187	1.0217	238	0.2207	289	0.0087
188	1.1577	239	0.3897	290	-0.1503
189	1.2787	240	0.3257	291	-0.2973
190	0.4717	241	-0.5443	292	0.2077
191	-0.3003	242	-0.4623	325	0.5537
192	-0.2973	244	-0.2103	326	0.6077
193	-0.2983	245	-0.1053	327	0.6237
194	-0.3003	246	-0.0533	328	0.6187
195	-0.3043	247	0.0507	329	0.6437
196	-0.3193	248	0.1437	330	0.6647
197	-0.3013	249	0.1347	331	0.8257
198	-0.3023	250	0.0257	332	0.9557
199	-0.3083	251	-0.2923	333	1.1057
200	-0.3103	252	-0.2953	334	1.2557
201	-0.2953	253	0.5207	335	1.3017
202	-0.2973	254	0.4377	336	1.3457
203	-0.2963	255	-0.5273	337	1.3317
204	-0.2943	256	-0.4583	338	1.3117
205	0.2487	257	-0.3933	339	1.3277
206	0.2917	258	-0.3273	340	1.3717
207	0.2787	259	-0.2083	341	1.4057
208	0.2677	260	-0.0653	350	0.3567
210	0.3957	261	0.0367	351	0.4267
211	0.4087	262	0.1697	352	0.5487
212	0.3207	263	-0.0883	353	0.6087
213	-0.4183	264	-0.0623	354	0.5807
214	-0.3733	265	-0.1833	355	0.1627
215	-0.3073	266	-0.1183		
216	-0.2003	267	-0.1013		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 113
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 8.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.351
TUNNEL DYNAMIC PRESSURE(PSF) = 1292.
TUNNEL STAGNATION PRESSURE(PSF) = 3005.
TUNNEL STATIC PRESSURE(PSF) = 1011.
REYNOLDS NUMBER PER FOOT = 5.9230E 06
MODEL ANGLE OF ATTACK(DEG) = 7.96
FIN ANGLE(DEG) = -0.13
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 581.

SCANIVALE	CP(REF)
147	0.5725
247	0.5735
347	0.5735
447	0.5735
547	0.5735
647	0.5735
747	0.5735

ORF	CP	ORF	CP	ORF	CP
1	0.2175	52	-0.0315	102	-0.3135
2	-0.0345	53	-0.1695	103	-0.5235
3	-0.1215	54	-0.2045	104	-0.5005
4	-0.0755	55	-0.0785	105	-0.4555
5	-0.0235	56	-0.0225	110	0.0105
6	0.0235	57	-0.0055	111	0.0095
7	0.0395	58	-0.0015	112	-0.0095
8	0.0485	59	0.0075	113	-0.0455
9	0.0565	60	0.0065	114	-0.1885
10	0.0495	61	-0.0025	115	-0.1245
11	0.0605	62	-0.0215	116	-0.0125
12	0.0665	63	-0.0695	117	-0.0285
13	0.0635	64	-0.2415	118	-0.0375
14	-0.0285	65	-0.2175	119	-0.0415
15	-0.1195	66	-0.2625	120	0.0085
16	0.0415	67	-0.1305	121	-0.0555
17	-0.0365	68	-0.0475	122	-0.1275
18	-0.0255	69	-0.0035	123	-0.1875
19	0.0045	70	0.0105	124	-0.0865
20	0.0305	71	-0.0015	125	-0.0725
21	0.0485	72	-0.0285	126	-0.0535
22	0.0505	73	-0.0875	127	-0.0655
23	0.0485	74	-0.2515	128	-0.1485
24	0.0465	75	-0.2945	129	-0.0645
25	0.0515	76	-0.2365	135	-0.0455
26	0.0565	77	-0.1515	136	-0.0455
27	0.0455	78	-0.0605	137	-0.0435
28	-0.0365	79	-0.0175	138	0.0325
29	-0.1505	80	-0.0105	139	0.0335
30	0.0125	81	-0.0725	140	0.0365
32	0.0205	82	-0.2485	141	0.0575
33	0.0265	83	-0.2625	142	0.0645
34	0.0385	84	-0.2645	143	0.0675
35	0.0285	85	-0.2005	145	-0.0475
36	0.0235	86	-0.1315	147	0.0615
37	0.0255	87	-0.0765	151	0.2065
38	0.0285	88	-0.0415	152	0.0055
39	0.0335	89	-0.2055	153	-0.1095
40	0.0235	90	-0.3075	154	-0.3065
41	-0.0515	91	-0.2595	155	0.1205
42	-0.1755	92	-0.1915	156	0.2525
43	0.0085	93	-0.1515	157	0.0655
44	0.0175	94	-0.1115	158	0.6655
45	0.0105	95	-0.2305	159	0.3575
46	0.0065	96	-0.1305	160	0.3275
47	-0.0005	97	-0.1705	161	0.2405
48	-0.0005	98	0.1975	162	0.5545
49	0.0105	99	0.3065	163	0.4545
50	0.0135	100	0.0605	164	0.0355
51	0.0075	101	-0.3465	165	0.2085

ORF	CP	ORF	CP	ORF	CP
166	0.6365	217	-0.2395	268	-0.2595
167	0.4395	218	-0.1785	269	-0.1695
168	0.3985	219	-0.0895	270	-0.1145
169	0.2955	220	0.0385	271	-0.3015
170	0.2205	221	-0.0295	272	-0.3165
171	0.3585	222	0.0045	273	-0.0845
172	0.1605	223	0.3115	274	-0.0825
173	0.2455	224	0.4225	275	0.2725
174	0.0835	225	0.4595	276	0.3945
175	-0.0405	226	0.3635	277	0.3065
176	-0.3115	227	-0.5545	278	-0.4085
177	-0.0195	228	-0.4955	279	-0.3135
178	-0.0865	229	-0.4435	280	-0.2225
179	-0.0775	230	-0.3515	281	-0.0885
180	-0.3215	231	-0.2315	282	-0.0145
181	0.1545	232	-0.1485	283	0.0315
182	0.3475	233	-0.1055	284	0.0635
183	0.4805	234	0.1545	285	0.0685
184	0.5955	235	-0.0045	286	-0.3365
185	0.6535	236	0.1425	287	-0.1825
186	0.6655	237	0.3495	288	-0.0495
187	0.7225	238	0.3255	289	-0.0755
188	0.8045	239	0.4045	290	-0.2345
189	0.8655	240	0.3435	291	-0.3295
190	0.4865	241	-0.5475	292	0.4375
191	-0.3145	242	-0.4735	325	0.6945
192	-0.3105	244	-0.2735	326	0.7695
193	-0.3115	245	-0.1985	327	0.7965
194	-0.3115	246	-0.1855	328	0.7825
195	-0.3205	247	0.0025	329	0.8005
196	-0.3255	248	0.1405	330	0.8335
197	-0.3145	249	0.1165	331	0.9275
198	-0.3145	250	0.0265	332	0.9995
199	-0.3145	251	-0.3135	333	1.0305
200	-0.3255	252	-0.3825	334	1.0245
201	-0.3105	253	0.4015	335	1.0465
202	-0.3105	254	0.3015	336	1.1375
203	-0.3095	255	-0.5555	337	1.2555
204	-0.3105	256	-0.4925	338	1.3375
205	0.2285	257	-0.4285	339	1.4115
206	0.2565	258	-0.3295	340	1.4385
207	0.2535	259	-0.0995	341	1.4425
208	0.2535	260	-0.0225	350	0.5355
210	0.5215	261	0.0525	351	0.6075
211	0.5525	262	0.1065	352	0.6545
212	0.4565	263	-0.0855	353	0.6655
213	-0.4025	264	-0.1495	354	0.6485
214	-0.3785	265	-0.2855	355	0.6065
215	-0.3505	266	-0.1995		
216	-0.2845	267	-0.1305		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 114

TUNNEL = 11

TEST NO. = 086

TEST PHASE = 2

RUN NUMBER = 8.

CONFIGURATION NO. = 2.

ANGLE OF MODEL ROLL(DEG) = 0.

MACH NUMBER = 1.347

TUNNEL DYNAMIC PRESSURE(PSF) = 1292.

TUNNEL STAGNATION PRESSURE(PSF) = 3005.

TUNNEL STATIC PRESSURE(PSF) = 1017.

REYNOLDS NUMBER PER FOOT = 5.9170E 06

MODEL ANGLE OF ATTACK(DEG) = 14.18

FIN ANGLE(DEG) = -0.33

FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 582.

SCANIVALE	CP(REF)
147	0.5688
247	0.5688
347	0.5688
447	0.5698
547	0.5678
647	0.5678
747	0.5678

ORF	CP	ORF	CP	ORF	CP
1	0.0818	52	-0.0562	102	-0.3612
2	-0.1522	53	-0.1782	103	-0.5312
3	-0.2192	54	-0.2212	104	-0.5022
4	-0.1272	55	-0.1292	105	-0.4582
5	-0.0682	56	-0.0812	110	0.0758
6	-0.0582	57	-0.0482	111	0.0618
7	-0.0562	58	-0.0362	112	0.0488
8	-0.0472	59	-0.0292	113	0.0028
9	-0.0392	60	-0.0282	114	-0.2552
10	-0.0272	61	-0.0342	115	-0.0482
11	-0.0192	62	-0.0612	116	0.0938
12	-0.0022	63	-0.0952	117	0.0088
13	-0.0042	64	-0.2582	118	-0.0132
14	-0.0892	65	-0.2502	119	-0.0272
15	-0.1672	66	-0.2192	120	-0.0282
16	-0.0912	67	-0.1352	121	-0.1212
17	-0.1422	68	-0.0892	122	-0.2272
18	-0.0952	69	-0.0672	123	-0.2552
19	-0.0632	70	-0.0622	124	-0.1542
20	-0.0542	71	-0.0742	125	-0.1452
21	-0.0582	72	-0.0932	126	-0.1232
22	-0.0442	73	-0.1442	127	-0.1292
23	-0.0362	74	-0.2782	128	-0.2302
24	-0.0242	75	-0.3032	129	-0.1242
25	-0.0132	76	-0.2252	135	-0.1052
26	-0.0062	77	-0.1892	136	-0.1052
27	-0.0262	78	-0.1422	137	-0.1052
28	-0.0992	79	-0.1152	138	0.0058
29	-0.1952	80	-0.1302	139	0.0058
30	-0.0922	81	-0.1832	140	0.0018
32	-0.0432	82	-0.2822	141	0.1028
33	-0.0532	83	-0.2812	142	0.1008
34	-0.0392	84	-0.2932	143	0.0998
35	-0.0432	85	-0.2492	145	-0.1072
36	-0.0302	86	-0.2052	147	0.1038
37	-0.0192	87	-0.1762	151	0.3998
38	-0.0112	88	-0.1882	152	0.1398
39	-0.0122	89	-0.2852	153	-0.0532
40	-0.0322	90	-0.3862	154	-0.2382
41	-0.0932	91	-0.3362	155	0.2648
42	-0.2142	92	-0.2702	156	0.3288
43	-0.0592	93	-0.2142	157	0.1698
44	-0.0402	94	-0.1992	158	0.4848
45	-0.0332	95	-0.3142	159	0.5368
46	-0.0302	96	-0.2012	160	0.4558
47	-0.0232	97	-0.2452	161	0.3478
48	-0.0152	98	0.1168	162	0.4968
49	-0.0062	99	0.2038	163	0.5138
50	-0.0092	100	0.0138	164	0.0078
51	-0.0292	101	-0.3942	165	0.2648

ORF	CP	ORF	CP	ORF	CP
166	0.5748	217	-0.1492	268	-0.2672
167	0.5378	218	-0.1352	269	-0.2752
168	0.4488	219	-0.1632	270	-0.2012
169	0.3148	220	-0.1802	271	-0.3432
170	0.3368	221	-0.0212	272	-0.3332
171	0.4518	222	-0.0322	273	-0.1652
172	0.2418	223	0.2488	274	-0.1482
173	0.3468	224	0.3098	275	0.2138
174	0.1908	225	0.5188	276	0.2558
175	0.0268	226	0.4328	277	0.1758
176	-0.2302	227	-0.5172	278	-0.4612
177	0.1568	228	-0.4342	279	-0.3832
178	0.0768	229	-0.3732	280	-0.3672
179	0.0968	230	-0.2962	281	-0.2192
180	-0.3432	231	-0.2272	282	-0.0802
181	-0.0392	232	-0.1872	283	-0.0512
182	0.2168	233	-0.2022	284	-0.0202
183	0.8058	234	-0.2302	285	0.0048
184	1.2168	235	-0.1212	286	-0.3792
185	1.3018	236	0.2068	287	-0.2382
186	1.3318	237	0.3558	288	-0.1062
187	1.3658	238	0.4008	289	-0.1202
188	1.3708	239	0.3678	290	-0.3332
189	1.3538	240	0.3408	291	-0.3252
190	0.7388	241	-0.5282	292	0.5758
191	-0.3352	242	-0.4572	325	0.7738
192	-0.3252	244	-0.3702	326	1.0588
193	-0.3272	245	-0.3702	327	1.1428
194	-0.3282	246	-0.3332	328	1.1838
195	-0.3392	247	-0.1562	329	1.1978
196	-0.3322	248	0.0318	330	1.1818
197	-0.3302	249	0.1068	331	1.1518
198	-0.3262	250	0.0018	332	1.1128
199	-0.3272	251	-0.3302	333	1.0838
200	-0.3482	252	-0.4442	334	0.9718
201	-0.3282	253	0.2798	335	0.9368
202	-0.3262	254	0.1948	336	0.9268
203	-0.3262	255	-0.5762	337	0.8628
204	-0.3272	256	-0.5232	338	0.7978
205	0.0968	257	-0.4592	339	0.7528
206	0.1518	258	-0.2932	340	0.7348
207	0.1328	259	-0.1222	341	0.7768
208	0.0918	260	-0.0952	350	0.6638
210	0.4988	261	-0.0302	351	0.6808
211	0.6378	262	0.0538	352	0.7088
212	0.5498	263	-0.1472	353	0.7168
213	-0.3542	264	-0.1492	354	0.6898
214	-0.2872	265	-0.3312	355	0.6508
215	-0.2492	266	-0.3182		
216	-0.1972	267	-0.1832		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 115
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 8.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.349
TUNNEL DYNAMIC PRESSURE(PSF) = 1295.
TUNNEL STAGNATION PRESSURE(PSF) = 3012.
TUNNEL STATIC PRESSURE(PSF) = 1017.
REYNOLDS NUMBER PER FOOT = 5.9300E 06
MODEL ANGLE OF ATTACK(DEG) = 0.08
FIN ANGLE(DEG) = -0.42
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 582.

SCAN VALUE	CP(REF)
147	0.5667
247	0.5667
347	0.5677
447	0.5677
547	0.5667
647	0.5677
747	0.5677

ORF	CP	ORF	CP	ORF	CP
1	0.3917	52	0.2037	102	-0.3153
2	0.0467	53	0.0597	103	-0.4613
3	-0.2793	54	-0.0733	104	-0.4433
4	-0.2323	55	0.0867	105	-0.3933
5	-0.1513	56	0.0387	110	-0.0293
6	-0.0343	57	0.0457	111	-0.0283
7	0.0737	58	0.1747	112	-0.0273
8	0.1237	59	0.2077	113	-0.0663
9	0.1417	60	0.2127	114	-0.1543
10	0.1557	61	0.2167	115	-0.1133
11	0.1687	62	0.2207	116	-0.0493
12	0.1767	63	0.2027	117	-0.0243
13	0.1887	64	-0.0543	118	-0.0343
14	0.1037	65	-0.0623	119	-0.0463
15	0.0087	66	0.0947	120	0.0307
16	0.1327	67	0.0857	121	-0.0403
17	-0.0613	68	0.1517	122	-0.1533
18	-0.1843	69	0.2147	123	-0.1543
19	-0.2073	70	0.2327	124	-0.0743
20	-0.0703	71	0.2287	125	-0.0463
21	0.0957	72	0.2247	126	-0.0213
22	0.1457	73	0.1917	127	-0.0363
23	0.1617	74	-0.0683	128	-0.1653
24	0.1707	75	0.1527	129	-0.0923
25	0.1837	76	0.1857	135	-0.0243
26	0.1927	77	0.2427	136	-0.0313
27	0.1977	78	0.2377	137	-0.0323
28	0.1197	79	0.2357	138	0.0337
29	-0.0263	80	0.2237	139	0.0367
30	0.0647	81	0.1417	140	0.0387
32	-0.1273	82	-0.0853	141	0.0767
33	-0.1193	83	0.1787	142	0.0737
34	0.0797	84	0.2447	143	0.0777
35	0.1407	85	0.2447	145	-0.0293
36	0.1837	86	0.2217	147	0.0737
37	0.1807	87	0.1817	151	0.1997
38	0.1957	88	0.1397	152	-0.0543
39	0.1987	89	-0.1083	153	-0.1463
40	0.2067	90	0.2417	154	-0.3913
41	0.1477	91	0.1977	155	0.1917
42	-0.0793	92	0.1707	156	0.2717
43	0.0677	93	0.2077	157	0.0797
44	-0.0063	94	0.2217	158	0.6237
45	-0.0463	95	-0.1133	159	0.4487
46	0.0537	96	-0.2443	160	0.4047
47	0.1697	97	-0.0783	161	0.3117
48	0.2057	98	0.0277	162	0.5587
49	0.2107	99	0.2057	163	0.4967
50	0.2167	100	0.1707	164	0.0387
51	0.2107	101	-0.3553	165	0.2497

ORF	CP	ORF	CP	ORF	CP
166	0.6397	217	-0.1283	268	-0.1833
167	0.4407	218	0.0367	269	-0.1443
168	0.4137	219	0.1347	270	-0.0073
169	0.3017	220	0.1897	271	-0.3123
170	0.4197	221	0.0057	272	-0.2953
171	0.3207	222	-0.0133	273	-0.0063
172	0.1507	223	0.3267	274	0.0307
173	0.1837	224	0.4417	275	0.4327
174	0.0827	225	0.4067	276	0.5647
175	-0.1543	226	0.3017	277	0.4687
176	-0.2873	227	-0.5643	278	-0.4233
177	-0.0463	228	-0.5013	279	-0.3613
178	-0.1533	229	-0.4183	280	-0.2833
179	-0.1583	230	-0.1893	281	-0.2473
180	-0.3133	231	0.0017	282	-0.1623
181	0.3487	232	0.0487	283	0.0017
182	0.4727	233	0.1197	284	0.1537
183	0.5497	234	0.1867	285	0.1857
184	0.7477	235	0.0767	286	-0.3593
185	0.7837	236	0.1107	287	-0.1653
186	0.8067	237	0.3167	288	0.0587
187	0.8787	238	0.2587	289	0.0517
188	0.9267	239	0.3837	290	-0.1543
189	0.9997	240	0.3077	291	-0.4663
190	0.4047	241	-0.3643	292	0.2297
191	-0.2943	242	-0.3113	325	0.5057
192	-0.2993	244	-0.0683	326	0.5487
193	-0.2983	245	0.0217	327	0.5617
194	-0.3023	246	0.0427	328	0.5707
195	-0.3013	247	0.1127	329	0.5587
196	-0.3103	248	0.1737	330	0.5407
197	-0.3023	249	0.1727	331	0.5377
198	-0.3083	250	0.0507	332	0.5767
199	-0.3113	251	-0.2953	333	0.6347
200	-0.3053	252	-0.2773	334	0.8297
201	-0.2993	253	0.4227	335	1.1297
202	-0.2983	254	0.3297	336	1.3627
203	-0.2983	255	-0.5493	337	1.4667
204	-0.2983	256	-0.4833	338	1.4817
205	0.3477	257	-0.4113	339	1.4727
206	0.3787	258	-0.2383	340	1.4817
207	0.3797	259	0.0037	341	1.4897
208	0.3797	260	0.0467	350	0.2207
210	0.4827	261	0.1287	351	0.2627
211	0.5087	262	0.2127	352	0.2277
212	0.4307	263	0.0087	353	0.1577
213	-0.3933	264	-0.0373	354	0.0127
214	-0.3423	265	-0.1703	355	0.0637
215	-0.2923	266	-0.1423		
216	-0.2343	267	-0.0493		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 126
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 201.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.001
TUNNEL DYNAMIC PRESSURE(PSF) = 450.
TUNNEL STAGNATION PRESSURE(PSF) = 1215.
TUNNEL STATIC PRESSURE(PSF) = 641.
REYNOLDS NUMBER PER FOOT = 2.4960E 06
MODEL ANGLE OF ATTACK(DEG) = -4.00
FIN ANGLE(DEG) = -0.40
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 555.

SCANIVALE	CP(REF)
147	2.1106
247	2.1096
347	2.1106
447	2.1106
547	2.1056
647	2.1076
747	2.1076

ORF	CP	ORF	CP	ORF	CP
1	0.1516	52	0.0106	102	-0.5254
2	-0.0684	53	-0.2404	103	-0.8604
3	-0.0544	54	-0.3504	104	-0.8224
4	0.0286	55	0.3396	105	-0.7004
5	0.0796	56	0.2836	110	-0.0744
6	0.0966	57	0.2476	111	-0.1114
7	0.1116	58	0.2146	112	-0.0694
8	0.1136	59	0.1856	113	-0.1074
9	0.1096	60	0.1506	114	-0.1474
10	0.1036	61	0.1066	115	-0.0734
11	0.0936	62	0.0596	116	-0.0084
12	0.0696	63	-0.0214	117	0.0146
13	0.0256	64	-0.4294	118	0.0136
14	-0.1364	65	-0.4104	119	-0.0044
15	-0.2544	66	0.3396	120	-0.0214
16	0.1016	67	0.2756	121	0.0166
17	0.0866	68	0.2296	122	-0.1554
18	0.1056	69	0.1876	123	-0.1554
19	0.1146	70	0.1456	124	-0.0764
20	0.1236	71	0.0966	125	-0.0314
21	0.1296	72	0.0336	126	0.0036
22	0.1286	73	-0.0744	127	-0.0194
23	0.1216	74	-0.4354	128	-0.1984
24	0.1096	75	0.3216	129	-0.0914
25	0.0926	76	0.2486	135	0.0226
26	0.0616	77	0.1896	136	0.0186
27	0.0046	78	0.1296	137	0.0246
28	-0.1444	79	0.0616	138	0.1176
29	-0.2894	80	-0.0194	139	0.1196
30	0.1946	81	-0.1664	140	0.1196
32	0.1716	82	-0.4624	141	0.1416
33	0.1596	83	0.2436	142	0.1396
34	0.1596	84	0.1946	143	0.1376
35	0.1456	85	0.1056	145	0.0216
36	0.1406	86	0.0226	147	0.1416
37	0.1196	87	-0.0494	151	0.0896
38	0.0986	88	-0.1574	152	-0.2094
39	0.0626	89	-0.4914	153	-0.3234
40	0.0066	90	0.1666	154	-0.2684
41	-0.1274	91	0.0196	155	0.0746
42	-0.3194	92	-0.0324	156	0.0696
43	0.3146	93	-0.0854	157	-0.1504
44	0.2646	94	-0.1494	158	0.4586
45	0.2386	95	-0.5044	159	0.2356
46	0.2196	96	-0.4244	160	0.1556
47	0.1966	97	-0.4634	161	0.0276
48	0.1726	98	-0.0234	162	0.4226
49	0.1506	99	-0.0804	163	0.2786
50	0.1236	100	-0.1864	164	0.1176
51	0.0756	101	-0.5874	165	-0.0294

ORF	CP	ORF	CP	ORF	CP
166	0.4786	217	-0.1734	268	-0.3744
167	0.2446	218	-0.0014	269	-0.3124
168	0.1946	219	0.1166	270	-0.2464
169	0.0586	220	0.0936	271	-0.4904
170	0.2796	221	-0.2464	272	-0.4664
171	0.1146	222	-0.1114	273	-0.2194
172	-0.1044	223	0.3056	274	-0.1884
173	0.0506	224	0.3616	275	0.4366
174	-0.1194	225	0.3746	276	0.3546
175	-0.2934	226	0.2186	277	0.2366
176	-0.3914	227	-0.4974	278	-0.3714
177	-0.2054	228	-0.5004	279	-0.3694
178	-0.3244	229	-0.4644	280	-0.2544
179	-0.2404	230	-0.3674	281	-0.0304
180	-0.3024	231	-0.1514	282	0.1036
181	0.3606	232	0.0116	283	0.1326
182	0.4816	233	0.1036	284	0.1436
183	0.2746	234	0.0996	285	0.0756
184	0.4966	235	-0.0554	286	-0.5634
185	0.6306	236	-0.0064	287	-0.2864
186	0.7876	237	0.1966	288	-0.1344
187	0.8996	238	0.2216	289	-0.1564
188	0.9946	239	0.4116	290	-0.3044
189	1.0536	240	0.2936	291	-0.4524
190	0.1946	241	-0.5084	292	-0.0724
191	-0.2734	242	-0.4954	325	0.4956
192	-0.2654	244	-0.2784	326	0.5556
193	-0.2694	245	-0.0364	327	0.5976
194	-0.2764	246	0.0606	328	0.6686
195	-0.2624	247	0.1006	329	0.7556
196	-0.2834	248	0.0996	330	0.8286
197	-0.2794	249	0.0646	331	0.9526
198	-0.2764	250	-0.0294	332	1.0446
199	-0.2794	251	-0.2574	333	1.1136
200	-0.2684	252	-0.4954	334	1.2036
201	-0.2664	253	0.3626	335	1.2246
202	-0.2704	254	0.2156	336	1.2316
203	-0.2694	255	-0.3624	337	1.2396
204	-0.2674	256	-0.3474	338	1.2456
205	0.2826	257	-0.2954	339	1.2486
206	0.3216	258	-0.1354	340	1.2516
207	0.3166	259	0.0366	341	1.2526
208	0.3216	260	0.0936	350	-0.0044
210	0.5486	261	0.1166	351	0.0506
211	0.4446	262	0.0946	352	0.1396
212	0.2936	263	-0.1444	353	0.1726
213	-0.4954	264	-0.2504	354	0.1716
214	-0.4994	265	-0.3804	355	0.1426
215	-0.4804	266	-0.3164		
216	-0.3884	267	-0.2314		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 127

TUNNEL = 11

TEST NO. = 086

TEST PHASE = 2

RUN NUMBER = 201.

CONFIGURATION NO. = 2.

ANGLE OF MODEL ROLL(DEG) = 0.

MACH NUMBER = 1.002

TUNNEL DYNAMIC PRESSURE(PSF) = 449.

TUNNEL STAGNATION PRESSURE(PSF) = 1213.

TUNNEL STATIC PRESSURE(PSF) = 640.

REYNOLDS NUMBER PER FOOT = 2.4990E 06

MODEL ANGLE OF ATTACK(DEG) = 0.09

FIN ANGLE(DEG) = -0.45

FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 554.

SCANIVALE	CP(REF)
147	2.1106
247	2.1096
347	2.1116
447	2.1116
547	2.1006
647	2.1026
747	2.1026

ORF	CP	ORF	CP	ORF	CP
1	0.0986	52	-0.0534	102	-0.5704
2	-0.2694	53	-0.2904	103	-0.8744
3	-0.3374	54	-0.4514	104	-0.8474
4	-0.2214	55	0.1446	105	-0.7354
5	-0.1134	56	0.1246	110	-0.0714
6	-0.0374	57	0.1076	111	-0.1404
7	-0.0014	58	0.0926	112	-0.0754
8	0.0196	59	0.0756	113	-0.1414
9	0.0256	60	0.0566	114	-0.1334
10	0.0216	61	0.0276	115	-0.1084
11	0.0116	62	-0.0134	116	-0.0274
12	-0.0054	63	-0.0774	117	0.0066
13	-0.0414	64	-0.4694	118	-0.0174
14	-0.1974	65	-0.4704	119	-0.0174
15	-0.3324	66	0.1406	120	-0.0094
16	-0.1394	67	0.1146	121	0.0136
17	-0.1454	68	0.0916	122	-0.1394
18	-0.0834	69	0.0666	123	-0.1344
19	-0.0404	70	0.0396	124	-0.0324
20	-0.0054	71	0.0056	125	-0.0114
21	0.0176	72	-0.0434	126	0.0216
22	0.0306	73	-0.1284	127	0.0046
23	0.0316	74	-0.4894	128	-0.1374
24	0.0246	75	0.1276	129	-0.0734
25	0.0136	76	0.0936	135	0.0236
26	-0.0094	77	0.0646	136	0.0276
27	-0.0564	78	0.0276	137	0.0276
28	-0.2054	79	-0.0204	138	0.1156
29	-0.3744	80	-0.0744	139	0.1186
30	-0.0164	81	-0.2044	140	0.1206
32	0.0246	82	-0.4974	141	0.1396
33	0.0296	83	0.0766	142	0.1396
34	0.0426	84	0.0486	143	0.1366
35	0.0396	85	-0.0064	145	0.0236
36	0.0406	86	-0.0474	147	0.1346
37	0.0306	87	-0.0954	151	-0.0464
38	0.0156	88	-0.1874	152	-0.2954
39	-0.0114	89	-0.5254	153	-0.2804
40	-0.0594	90	-0.0034	154	-0.3254
41	-0.1834	91	-0.0344	155	0.0386
42	-0.4244	92	-0.0724	156	-0.0034
43	0.1216	93	-0.1114	157	-0.1694
44	0.1096	94	-0.1694	158	0.4016
45	0.1036	95	-0.5224	159	0.1516
46	0.0976	96	-0.3214	160	0.0976
47	0.0906	97	-0.4714	161	-0.0134
48	0.0776	98	0.0736	162	0.3426
49	0.0646	99	0.0346	163	0.1996
50	0.0386	100	-0.2164	164	0.1166
51	0.0016	101	-0.6324	165	-0.0784

ORF	CP	ORF	CP	ORF	CP
166	0.4166	217	-0.1314	268	-0.4354
167	0.1586	218	-0.0024	269	-0.3264
168	0.1206	219	0.0436	270	-0.2394
169	-0.0014	220	0.0136	271	-0.5584
170	0.2146	221	-0.3174	272	-0.5504
171	0.0426	222	-0.2394	273	-0.2144
172	-0.1584	223	0.2236	274	-0.1784
173	-0.0524	224	0.2826	275	0.3946
174	-0.1774	225	0.2676	276	0.3736
175	-0.3464	226	0.1196	277	0.2236
176	-0.3784	227	-0.4694	278	-0.5604
177	-0.3234	228	-0.4634	279	-0.5574
178	-0.4604	229	-0.4364	280	-0.5064
179	-0.3664	230	-0.3364	281	-0.3554
180	-0.3014	231	-0.1124	282	-0.1304
181	0.2326	232	-0.0094	283	-0.0054
182	0.3466	233	0.0286	284	0.0556
183	0.4016	234	0.0176	285	0.0076
184	0.6146	235	-0.1384	286	-0.6044
185	0.6846	236	-0.1034	287	-0.3844
186	0.7436	237	0.1126	288	-0.1254
187	0.8116	238	0.1176	289	-0.1614
188	0.8626	239	0.2706	290	-0.3064
189	0.8956	240	0.1576	291	-0.4874
190	0.2326	241	-0.4574	292	0.0166
191	-0.2874	242	-0.4534	325	0.3626
192	-0.2764	244	-0.2134	326	0.3896
193	-0.2684	245	-0.0494	327	0.4086
194	-0.2844	246	-0.0054	328	0.4206
195	-0.2834	247	0.0186	329	0.4316
196	-0.2894	248	0.0176	330	0.4526
197	-0.2884	249	-0.0264	331	0.5126
198	-0.2854	250	-0.0234	332	0.5776
199	-0.2914	251	-0.2664	333	0.6426
200	-0.2834	252	-0.4454	334	0.7856
201	-0.2854	253	0.2936	335	0.9666
202	-0.2834	254	0.1566	336	1.1036
203	-0.2844	255	-0.4844	337	1.1716
204	-0.2714	256	-0.4934	338	1.1856
205	0.2806	257	-0.4564	339	1.1746
206	0.2996	258	-0.3424	340	1.1876
207	0.2966	259	-0.1164	341	1.2036
208	0.2996	260	0.0016	350	0.0706
210	0.4356	261	0.0426	351	0.1106
211	0.3436	262	0.0356	352	0.1766
212	0.2046	263	-0.2134	353	0.2146
213	-0.5244	264	-0.3024	354	0.2176
214	-0.5354	265	-0.4034	355	0.1866
215	-0.4924	266	-0.3194		
216	-0.3614	267	-0.2984		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 128
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 201.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.000
TUNNEL DYNAMIC PRESSURE(PSF) = 449.
TUNNEL STAGNATION PRESSURE(PSF) = 1213.
TUNNEL STATIC PRESSURE(PSF) = 640.
REYNOLDS NUMBER PER FOOT = 2.5000E 06
MODEL ANGLE OF ATTACK(DEG) = 4.05
FIN ANGLE(DEG) = -0.49
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 553.

SCANIVALE	CP(REF)
147	2.1166
247	2.1166
347	2.1176
447	2.1176
547	2.1186
647	2.1186
747	2.1196

ORF	CP	ORF	CP	ORF	CP
1	0.0186	52	-0.1704	102	-0.5334
2	-0.2974	53	-0.3924	103	-0.8734
3	-0.3264	54	-0.4794	104	-0.8394
4	-0.2194	55	-0.0974	105	-0.7104
5	-0.1504	56	-0.0434	110	-0.0404
6	-0.1084	57	-0.0334	111	-0.1224
7	-0.0854	58	-0.0464	112	-0.0584
8	-0.0744	59	-0.0554	113	-0.1524
9	-0.0714	60	-0.0694	114	-0.1354
10	-0.0724	61	-0.0944	115	-0.1364
11	-0.0804	62	-0.1294	116	-0.0364
12	-0.0974	63	-0.1924	117	0.0216
13	-0.1324	64	-0.5294	118	0.0246
14	-0.2824	65	-0.5244	119	-0.0104
15	-0.3994	66	-0.2154	120	-0.0154
16	-0.1634	67	-0.0704	121	0.0186
17	-0.1834	68	-0.0534	122	-0.0824
18	-0.1474	69	-0.0664	123	-0.1364
19	-0.1194	70	-0.0864	124	-0.0134
20	-0.0974	71	-0.1124	125	-0.0024
21	-0.0824	72	-0.1524	126	0.0286
22	-0.0724	73	-0.2274	127	0.0126
23	-0.0724	74	-0.5404	128	-0.1244
24	-0.0764	75	-0.2694	129	-0.0554
25	-0.0894	76	-0.1174	135	0.0336
26	-0.1104	77	-0.0904	136	0.0316
27	-0.1604	78	-0.1024	137	0.0256
28	-0.3004	79	-0.1384	138	0.1236
29	-0.4374	80	-0.1714	139	0.1246
30	-0.1234	81	-0.2804	140	0.1276
32	-0.0924	82	-0.5274	141	0.1426
33	-0.0874	83	-0.2854	142	0.1456
34	-0.0764	84	-0.1764	143	0.1426
35	-0.0734	85	-0.1474	145	0.0356
36	-0.0754	86	-0.1424	147	0.1456
37	-0.0834	87	-0.1634	151	-0.1354
38	-0.0974	88	-0.2534	152	-0.3124
39	-0.1234	89	-0.5404	153	-0.2734
40	-0.1764	90	-0.3964	154	-0.3114
41	-0.2994	91	-0.1934	155	-0.0664
42	-0.4694	92	-0.1384	156	-0.0624
43	-0.0584	93	-0.1654	157	-0.1914
44	-0.0394	94	-0.2214	158	0.3076
45	-0.0374	95	-0.5344	159	0.0316
46	-0.0344	96	-0.1934	160	-0.0074
47	-0.0394	97	-0.5014	161	-0.0904
48	-0.0444	98	0.0856	162	0.2266
49	-0.0584	99	0.0656	163	0.0806
50	-0.0774	100	-0.2824	164	0.1256
51	-0.1154	101	-0.5964	165	-0.1374

ORF	CP	ORF	CP	ORF	CP
166	0.2906	217	-0.0734	268	-0.4534
167	0.0656	218	-0.0274	269	-0.3074
168	0.0366	219	-0.0194	270	-0.2314
169	-0.0644	220	-0.0524	271	-0.5374
170	0.0876	221	-0.3534	272	-0.5064
171	-0.0204	222	-0.2864	273	-0.2024
172	-0.1854	223	0.1356	274	-0.1894
173	-0.0974	224	0.1806	275	0.2996
174	-0.2144	225	0.2096	276	0.2826
175	-0.3094	226	0.0696	277	0.1426
176	-0.3594	227	-0.4874	278	-0.6074
177	-0.3644	228	-0.4754	279	-0.5944
178	-0.4964	229	-0.4224	280	-0.5024
179	-0.3984	230	-0.2874	281	-0.3024
180	-0.2944	231	-0.0934	282	-0.1274
181	0.0946	232	-0.0414	283	-0.0634
182	0.2416	233	-0.0284	284	-0.0334
183	0.4126	234	-0.0404	285	-0.0774
184	0.6096	235	-0.1884	286	-0.5724
185	0.6706	236	-0.1474	287	-0.3914
186	0.7446	237	0.0506	288	-0.1534
187	0.8666	238	0.0566	289	-0.1944
188	0.9846	239	0.2496	290	-0.2914
189	1.0406	240	0.1426	291	-0.4964
190	0.3066	241	-0.5544	292	0.0826
191	-0.2844	242	-0.5354	325	0.2936
192	-0.2714	244	-0.2984	326	0.3226
193	-0.2634	245	-0.1164	327	0.3566
194	-0.2694	246	-0.0624	328	0.3826
195	-0.2784	247	-0.0394	329	0.4446
196	-0.2814	248	-0.0404	330	0.4836
197	-0.2724	249	-0.0734	331	0.6016
198	-0.2764	250	-0.0174	332	0.7036
199	-0.2764	251	-0.2584	333	0.7766
200	-0.2834	252	-0.4364	334	0.8876
201	-0.2704	253	0.2826	335	0.9896
202	-0.2754	254	0.1436	336	1.0576
203	-0.2704	255	-0.6134	337	1.1076
204	-0.2704	256	-0.5874	338	1.1356
205	0.2256	257	-0.5164	339	1.1356
206	0.2396	258	-0.3714	340	1.1476
207	0.2326	259	-0.1554	341	1.1616
208	0.2306	260	-0.0634	350	0.2046
210	0.3056	261	-0.0344	351	0.2176
211	0.2666	262	-0.0414	352	0.2756
212	0.1286	263	-0.2754	353	0.2946
213	-0.5444	264	-0.3394	354	0.2826
214	-0.5314	265	-0.3824	355	0.2446
215	-0.4424	266	-0.3094		
216	-0.2614	267	-0.3564		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 129
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 201.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.001
TUNNEL DYNAMIC PRESSURE(PSF) = 448.
TUNNEL STAGNATION PRESSURE(PSF) = 1211.
TUNNEL STATIC PRESSURE(PSF) = 639.
REYNOLDS NUMBER PER FOOT = 2.5000E 06
MODEL ANGLE OF ATTACK(DEG) = 8.00
FIN ANGLE(DEG) = -0.55
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 553.

SCANIVALE	CP(REF)
147	2.1157
247	2.1157
347	2.1157
447	2.1157
547	2.1017
647	2.1027
747	2.1017

ORF	CP	ORF	CP	ORF	CP
1	-0.0973	52	-0.3043	102	-0.5603
2	-0.3273	53	-0.4833	103	-0.8933
3	-0.3173	54	-0.4883	104	-0.8603
4	-0.2443	55	-0.4803	105	-0.7463
5	-0.1963	56	-0.3033	110	-0.0213
6	-0.1753	57	-0.1873	111	-0.1043
7	-0.1593	58	-0.1663	112	-0.0543
8	-0.1573	59	-0.1763	113	-0.1643
9	-0.1533	60	-0.1993	114	-0.1963
10	-0.1573	61	-0.2313	115	-0.1563
11	-0.1673	62	-0.2753	116	-0.0363
12	-0.1863	63	-0.3473	117	-0.0013
13	-0.2173	64	-0.5643	118	-0.0393
14	-0.3573	65	-0.5403	119	-0.0433
15	-0.4563	66	-0.5763	120	-0.0313
16	-0.2183	67	-0.5183	121	-0.0213
17	-0.2243	68	-0.3693	122	-0.0923
18	-0.2023	69	-0.2553	123	-0.1913
19	-0.1873	70	-0.2163	124	-0.0513
20	-0.1753	71	-0.2363	125	-0.0373
21	-0.1673	72	-0.2823	126	-0.0043
22	-0.1613	73	-0.3603	127	-0.0273
23	-0.1633	74	-0.5963	128	-0.1353
24	-0.1683	75	-0.5983	129	-0.0643
25	-0.1813	76	-0.5773	135	-0.0043
26	-0.2023	77	-0.5323	136	-0.0013
27	-0.2483	78	-0.4353	137	-0.0003
28	-0.3733	79	-0.3563	138	0.0967
29	-0.4843	80	-0.3353	139	0.0987
30	-0.2083	81	-0.4063	140	0.1007
32	-0.1813	82	-0.5853	141	0.1487
33	-0.1793	83	-0.5163	142	0.1457
34	-0.1713	84	-0.6333	143	0.1407
35	-0.1713	85	-0.6113	145	-0.0023
36	-0.1733	86	-0.5533	147	0.1457
37	-0.1833	87	-0.4563	151	-0.0673
38	-0.1993	88	-0.4303	152	-0.3153
39	-0.2253	89	-0.5743	153	-0.3033
40	-0.2763	90	-0.6493	154	-0.3073
41	-0.3863	91	-0.6353	155	-0.0993
42	-0.5073	92	-0.6023	156	-0.0523
43	-0.2563	93	-0.5723	157	-0.2073
44	-0.1723	94	-0.5553	158	0.3407
45	-0.1533	95	-0.6443	159	0.0897
46	-0.1543	96	-0.2063	160	0.0257
47	-0.1573	97	-0.4663	161	-0.0743
48	-0.1673	98	0.1167	162	0.2887
49	-0.1833	99	0.1187	163	0.1577
50	-0.2033	100	-0.3443	164	0.0967
51	-0.2443	101	-0.6143	165	-0.1263

ORF	CP	ORF	CP	ORF	CP
166	0.3707	217	-0.2673	268	-0.5103
167	0.1307	218	-0.1063	269	-0.3403
168	0.0827	219	-0.0603	270	-0.2713
169	-0.0333	220	-0.0753	271	-0.5613
170	0.0157	221	-0.3873	272	-0.5033
171	0.0187	222	-0.3183	273	-0.2673
172	-0.1893	223	0.1387	274	-0.2453
173	-0.0633	224	0.2057	275	0.2097
174	-0.2433	225	0.2247	276	0.1527
175	-0.3433	226	0.0817	277	0.0227
176	-0.4133	227	-1.0353	278	-0.6003
177	-0.3363	228	-0.9703	279	-0.5683
178	-0.4553	229	-0.8813	280	-0.4733
179	-0.3963	230	-0.5793	281	-0.2853
180	-0.3193	231	-0.2443	282	-0.1613
181	-0.0623	232	-0.1303	283	-0.1383
182	0.1017	233	-0.0773	284	-0.1243
183	0.4107	234	-0.0633	285	-0.1653
184	0.5747	235	-0.2503	286	-0.5873
185	0.6217	236	-0.1423	287	-0.4053
186	0.6687	237	0.0867	288	-0.2283
187	0.7567	238	0.0897	289	-0.2493
188	0.8507	239	0.2227	290	-0.3063
189	0.9167	240	0.1087	291	-0.4053
190	0.3467	241	-0.7103	292	0.2087
191	-0.3023	242	-0.6983	325	0.3357
192	-0.2923	244	-0.4913	326	0.4017
193	-0.2913	245	-0.2673	327	0.4627
194	-0.2883	246	-0.1643	328	0.5037
195	-0.3083	247	-0.1153	329	0.5537
196	-0.3053	248	-0.1113	330	0.6177
197	-0.3023	249	-0.1323	331	0.7337
198	-0.2993	250	-0.0393	332	0.7957
199	-0.2953	251	-0.2933	333	0.8367
200	-0.3093	252	-0.3683	334	0.8357
201	-0.2943	253	0.1557	335	0.7977
202	-0.2973	254	0.0167	336	0.8017
203	-0.2933	255	-0.6163	337	0.8817
204	-0.2973	256	-0.5963	338	0.9827
205	0.1807	257	-0.5273	339	1.1217
206	0.2007	258	-0.3713	340	1.1947
207	0.1797	259	-0.2043	341	1.2277
208	0.1757	260	-0.1533	350	0.1497
210	0.3157	261	-0.1303	351	0.3007
211	0.3067	262	-0.1413	352	0.3377
212	0.1677	263	-0.3433	353	0.3457
213	-0.8813	264	-0.4563	354	0.3277
214	-0.8943	265	-0.4013	355	0.2847
215	-0.8123	266	-0.3223		
216	-0.6363	267	-0.4143		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 130
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 201.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.006
TUNNEL DYNAMIC PRESSURE(PSF) = 451.
TUNNEL STAGNATION PRESSURE(PSF) = 1212.
TUNNEL STATIC PRESSURE(PSF) = 636.
REYNOLDS NUMBER PER FOOT = 2.5050E 06
MODEL ANGLE OF ATTACK(DEG) = 14.20
FIN ANGLE(DEG) = -0.63
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 553.

SCANIVALE	CP(REF)
147	2.1138
247	2.1148
347	2.1148
447	2.1158
547	2.1048
647	2.1048
747	2.1048

ORF	CP	ORF	CP	ORF	CP
1	-0.2142	52	-0.3222	102	-0.6022
2	-0.5112	53	-0.5162	103	-0.9152
3	-0.5632	54	-0.5522	104	-0.8742
4	-0.4232	55	-0.5252	105	-0.7882
5	-0.3492	56	-0.4032	110	0.0308
6	-0.2962	57	-0.3252	111	-0.0592
7	-0.2662	58	-0.2872	112	-0.0062
8	-0.2492	59	-0.2532	113	-0.1502
9	-0.2362	60	-0.2582	114	-0.2912
10	-0.2302	61	-0.2722	115	-0.1552
11	-0.2372	62	-0.3132	116	0.0158
12	-0.2482	63	-0.3702	117	0.0338
13	-0.2792	64	-0.6202	118	-0.0502
14	-0.4062	65	-0.5992	119	-0.0602
15	-0.5072	66	-0.5842	120	-0.0542
16	-0.4412	67	-0.5142	121	-0.0482
17	-0.4662	68	-0.4332	122	-0.1202
18	-0.3672	69	-0.3812	123	-0.2892
19	-0.3182	70	-0.3522	124	-0.0962
20	-0.2892	71	-0.3392	125	-0.0822
21	-0.2662	72	-0.3682	126	-0.0602
22	-0.2522	73	-0.4272	127	-0.0712
23	-0.2422	74	-0.6292	128	-0.1602
24	-0.2412	75	-0.6712	129	-0.0772
25	-0.2522	76	-0.6462	135	-0.0322
26	-0.2672	77	-0.5712	136	-0.0272
27	-0.3072	78	-0.5072	137	-0.0242
28	-0.4282	79	-0.4642	138	0.0888
29	-0.5432	80	-0.4702	139	0.0888
30	-0.4702	81	-0.5542	140	0.0958
32	-0.2952	82	-0.6672	141	0.1758
33	-0.2752	83	-0.6002	142	0.1688
34	-0.2622	84	-0.7302	143	0.1708
35	-0.2572	85	-0.7072	145	-0.0322
36	-0.2412	86	-0.6332	147	0.1698
37	-0.2482	87	-0.5842	151	-0.0612
38	-0.2552	88	-0.6142	152	-0.3072
39	-0.2772	89	-0.6852	153	-0.3332
40	-0.3232	90	-0.7752	154	-0.3212
41	-0.4262	91	-0.7802	155	-0.1532
42	-0.5652	92	-0.7432	156	-0.0342
43	-0.4852	93	-0.6812	157	-0.1892
44	-0.3252	94	-0.7002	158	0.2808
45	-0.2632	95	-0.7442	159	0.1008
46	-0.2272	96	-0.3042	160	0.0368
47	-0.2172	97	-0.5502	161	-0.0542
48	-0.2232	98	0.0108	162	0.2198
49	-0.2292	99	0.0808	163	0.0988
50	-0.2472	100	-0.3792	164	0.0898
51	-0.2792	101	-0.6452	165	-0.1362

ORF	CP	ORF	CP	ORF	CP
166	0.2548	217	-0.3672	268	-0.5282
167	0.0848	218	-0.2422	269	-0.3562
168	0.0288	219	-0.1222	270	-0.2882
169	-0.0812	220	-0.1362	271	-0.5942
170	-0.0122	221	-0.4172	272	-0.5562
171	0.0128	222	-0.3742	273	-0.2862
172	-0.1922	223	0.0678	274	-0.2632
173	-0.0732	224	0.1318	275	0.1528
174	-0.2522	225	0.2408	276	0.0748
175	-0.3662	226	0.0888	277	-0.0412
176	-0.4002	227	-1.0562	278	-0.7862
177	-0.3222	228	-0.9952	279	-0.7622
178	-0.4212	229	-0.9022	280	-0.7032
179	-0.4022	230	-0.6922	281	-0.5392
180	-0.3142	231	-0.3552	282	-0.3292
181	-0.0422	232	-0.2162	283	-0.2522
182	0.2258	233	-0.1382	284	-0.1982
183	0.7368	234	-0.1212	285	-0.2272
184	0.9788	235	-0.3322	286	-0.6052
185	0.9888	236	-0.1852	287	-0.5032
186	1.0538	237	0.0508	288	-0.2612
187	1.1688	238	0.0628	289	-0.2582
188	1.2278	239	0.1418	290	-0.3092
189	1.2348	240	0.0198	291	-0.2942
190	0.4818	241	-0.9082	292	0.3198
191	-0.3252	242	-0.8922	325	0.2908
192	-0.3032	244	-0.5842	326	0.3558
193	-0.3042	245	-0.3462	327	0.3988
194	-0.3052	246	-0.2212	328	0.4138
195	-0.3282	247	-0.1742	329	0.4948
196	-0.3102	248	-0.1632	330	0.5258
197	-0.3092	249	-0.1942	331	0.6768
198	-0.3152	250	-0.0552	332	0.7758
199	-0.3112	251	-0.2922	333	0.8348
200	-0.3332	252	-0.3532	334	0.8858
201	-0.3162	253	0.0568	335	0.8848
202	-0.3132	254	-0.0682	336	0.8348
203	-0.3162	255	-0.7682	337	0.7778
204	-0.3182	256	-0.7422	338	0.7418
205	0.0698	257	-0.6862	339	0.6868
206	0.1028	258	-0.5392	340	0.6718
207	0.0748	259	-0.3332	341	0.7088
208	0.0458	260	-0.2492	350	0.3928
210	0.1038	261	-0.2002	351	0.4008
211	0.2428	262	-0.1992	352	0.4148
212	0.1218	263	-0.3932	353	0.4158
213	-0.8132	264	-0.4702	354	0.3878
214	-0.7232	265	-0.4062	355	0.3398
215	-0.6142	266	-0.3202		
216	-0.4992	267	-0.4612		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 131
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 201.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.023
TUNNEL DYNAMIC PRESSURE(PSF) = 456.
TUNNEL STAGNATION PRESSURE(PSF) = 1210.
TUNNEL STATIC PRESSURE(PSF) = 622.
REYNOLDS NUMBER PER FOOT = 2.5110E 06
MODEL ANGLE OF ATTACK(DEG) = 0.09
FIN ANGLE(DEG) = -0.42
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 553.

SCANIVALE	CP(REF)
147	2.1210
247	2.1210
347	2.1210
447	2.1220
547	2.1260
647	2.1270
747	2.1270

ORF	CP	ORF	CP	ORF	CP
1	0.1230	52	-0.0170	102	-0.5440
2	-0.2360	53	-0.2470	103	-0.8450
3	-0.3340	54	-0.4110	104	-0.8180
4	-0.2210	55	0.1730	105	-0.7100
5	-0.1150	56	0.1530	110	-0.0230
6	-0.0380	57	0.1380	111	-0.0940
7	0.0150	58	0.1230	112	-0.0410
8	0.0380	59	0.1070	113	-0.1110
9	0.0490	60	0.0890	114	-0.1030
10	0.0490	61	0.0610	115	-0.0840
11	0.0410	62	0.0230	116	-0.0080
12	0.0250	63	-0.0400	117	0.0310
13	-0.0120	64	-0.4260	118	0.0310
14	-0.1630	65	-0.4280	119	0.0090
15	-0.2950	66	0.1760	120	0.0100
16	-0.1210	67	0.1460	121	0.0290
17	-0.1480	68	0.1250	122	-0.0920
18	-0.0730	69	0.1020	123	-0.1030
19	-0.0270	70	0.0740	124	-0.0120
20	0.0080	71	0.0400	125	0.0040
21	0.0360	72	-0.0060	126	0.0390
22	0.0550	73	-0.0900	127	0.0150
23	0.0560	74	-0.4450	128	-0.1200
24	0.0540	75	0.1610	129	-0.0430
25	0.0410	76	0.1280	135	0.0420
26	0.0210	77	0.1010	136	0.0400
27	-0.0280	78	0.0630	137	0.0420
28	-0.1690	79	0.0160	138	0.1300
29	-0.3350	80	-0.0380	139	0.1330
30	-0.0070	81	-0.1610	140	0.1350
32	0.0410	82	-0.4530	141	0.1580
33	0.0520	83	0.1070	142	0.1550
34	0.0660	84	0.0830	143	0.1500
35	0.0700	85	0.0250	145	0.0400
36	0.0700	86	-0.0140	147	0.1510
37	0.0580	87	-0.0590	151	-0.0140
38	0.0450	88	-0.1470	152	-0.2870
39	0.0180	89	-0.4800	153	-0.3140
40	-0.0300	90	0.0320	154	-0.3460
41	-0.1440	91	-0.0010	155	0.0900
42	-0.3830	92	-0.0360	156	-0.0080
43	0.1450	93	-0.0750	157	-0.1810
44	0.1320	94	-0.1320	158	0.4220
45	0.1270	95	-0.4770	159	0.1770
46	0.1240	96	-0.3250	160	0.1140
47	0.1190	97	-0.4310	161	0.0030
48	0.1090	98	0.1010	162	0.3680
49	0.0900	99	0.0710	163	0.2320
50	0.0730	100	-0.1740	164	0.1250
51	0.0330	101	-0.6090	165	-0.0590

ORF	CP	ORF	CP	ORF	CP
166	0.4440	217	-0.1110	268	-0.4000
167	0.1880	218	0.0110	269	-0.2960
168	0.1480	219	0.0790	270	-0.2190
169	0.0230	220	0.0530	271	-0.5210
170	0.2470	221	-0.2790	272	-0.5080
171	0.0630	222	-0.1840	273	-0.1820
172	-0.1430	223	0.2560	274	-0.1550
173	-0.0260	224	0.3140	275	0.4420
174	-0.1610	225	0.3030	276	0.4080
175	-0.3540	226	0.1590	277	0.2580
176	-0.4040	227	-0.4270	278	-0.5020
177	-0.3100	228	-0.4350	279	-0.5140
178	-0.4260	229	-0.4050	280	-0.4630
179	-0.3220	230	-0.3150	281	-0.3080
180	-0.3180	231	-0.1070	282	-0.1010
181	0.2240	232	0.0190	283	0.0380
182	0.3580	233	0.0670	284	0.0950
183	0.4060	234	0.0560	285	0.0440
184	0.6040	235	-0.0980	286	-0.5710
185	0.6860	236	-0.0660	287	-0.3310
186	0.7500	237	0.1460	288	-0.0940
187	0.8090	238	0.1540	289	-0.1340
188	0.8790	239	0.3080	290	-0.3040
189	0.9190	240	0.1950	291	-0.4370
190	0.2560	241	-0.4320	292	0.0570
191	-0.3050	242	-0.4180	325	0.4030
192	-0.2980	244	-0.1710	326	0.4480
193	-0.2950	245	-0.0130	327	0.4650
194	-0.2990	246	0.0340	328	0.4910
195	-0.2960	247	0.0580	329	0.5050
196	-0.3040	248	0.0560	330	0.5090
197	-0.2990	249	0.0140	331	0.5490
198	-0.3070	250	0.0090	332	0.5840
199	-0.3110	251	-0.2450	333	0.6300
200	-0.2980	252	-0.4150	334	0.7540
201	-0.2920	253	0.3250	335	0.9270
202	-0.2980	254	0.1870	336	1.0980
203	-0.3010	255	-0.4410	337	1.1880
204	-0.2930	256	-0.4480	338	1.2060
205	0.3150	257	-0.4190	339	1.2190
206	0.3370	258	-0.3240	340	1.2350
207	0.3340	259	-0.1150	341	1.2340
208	0.3350	260	0.0210	350	0.1050
210	0.4760	261	0.0800	351	0.1540
211	0.3740	262	0.0700	352	0.2120
212	0.2380	263	-0.1720	353	0.2520
213	-0.4750	264	-0.2680	354	0.2550
214	-0.4980	265	-0.3750	355	0.2230
215	-0.4600	266	-0.3080		
216	-0.3430	267	-0.2560		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 132
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 203.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.796
TUNNEL DYNAMIC PRESSURE(PSF) = 1253.
TUNNEL STAGNATION PRESSURE(PSF) = 4285.
TUNNEL STATIC PRESSURE(PSF) = 2821.
REYNOLDS NUMBER PER FOOT = 7.9420E 06
MODEL ANGLE OF ATTACK(DEG) = -8.12
FIN ANGLE(DEG) = -0.51
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 561.

SCANIVALE	CP(REF)
147	-0.9844
247	-0.9884
347	-0.9874
447	-0.9864
547	-0.9954
647	-0.9964
747	-0.9954

ORF	CP	ORF	CP	ORF	CP
1	0.2396	52	-0.1214	102	-0.5034
2	-0.0514	53	-0.4544	103	-0.6454
3	-0.0174	54	-0.3934	104	-0.6154
4	0.0836	55	0.3786	105	-0.4954
5	0.1286	56	0.3076	110	-0.0644
6	0.1466	57	0.2596	111	-0.0774
7	0.1526	58	0.1996	112	-0.0584
8	0.1516	59	0.1486	113	-0.1004
9	0.1426	60	0.0996	114	-0.1094
10	0.1306	61	0.0366	115	0.0046
11	0.1036	62	-0.0504	116	0.0346
12	0.0716	63	-0.1764	117	0.0346
13	0.0056	64	-0.4804	118	-0.0314
14	-0.2304	65	-0.4584	119	-0.0314
15	-0.3364	66	0.3496	120	-0.0564
16	0.2296	67	0.2756	121	-0.0434
17	0.1806	68	0.2106	122	-0.1664
18	0.1926	69	0.1426	123	-0.1674
19	0.1816	70	0.0776	124	-0.0834
20	0.1766	71	0.0056	125	-0.0824
21	0.1766	72	-0.0954	126	-0.0534
22	0.1696	73	-0.2614	127	-0.0694
23	0.1546	74	-0.4824	128	-0.1734
24	0.1306	75	0.3236	129	-0.0814
25	0.1026	76	0.2286	135	-0.0224
26	0.0546	77	0.1446	136	-0.0334
27	-0.0264	78	0.0606	137	-0.0214
28	-0.2364	79	-0.0324	138	0.0586
29	-0.3694	80	-0.1484	139	0.0546
30	0.3296	81	-0.3644	140	0.0616
32	0.2546	82	-0.4384	141	0.0966
33	0.2196	83	0.2806	142	0.0996
34	0.2116	84	0.1886	143	0.1006
35	0.1846	85	0.0806	145	-0.0374
36	0.1636	86	-0.0254	147	0.0956
37	0.1306	87	-0.1224	151	0.1566
38	0.0966	88	-0.2914	152	-0.0644
39	0.0396	89	-0.3814	153	-0.0934
40	-0.0494	90	0.1626	154	-0.1954
41	-0.2454	91	0.0006	155	0.2296
42	-0.4024	92	-0.0854	156	0.2086
43	0.3846	93	-0.1534	157	-0.0184
44	0.3146	94	-0.2074	158	-2.2514
45	0.2686	95	-0.3124	159	0.3626
46	0.2306	96	-0.7204	160	0.2756
47	0.1946	97	-0.6914	161	0.1026
48	0.1536	98	-0.7544	162	-2.2514
49	0.1086	99	-0.7294	163	0.3836
50	0.0586	100	-0.5294	164	0.0596
51	-0.0154	101	-0.5724	165	0.0236

ORF	CP	ORF	CP	ORF	CP
166	-2.2514	217	-0.1744	268	-0.4244
167	0.3576	218	-0.0144	269	-0.2324
168	0.2886	219	0.0306	270	-0.1774
169	0.0996	220	0.0126	271	-0.5364
170	0.4176	221	-0.1934	272	-0.5534
171	0.1876	222	-0.1944	273	-0.1674
172	-0.0494	223	0.2766	274	-0.1344
173	0.0996	224	0.3616	275	0.3796
174	-0.0374	225	0.3306	276	0.4056
175	-0.2524	226	0.1156	277	0.2326
176	-0.3024	227	-0.6634	278	-0.5674
177	-0.1094	228	-0.6724	279	-0.5364
178	-0.2554	229	-0.6744	280	-0.3854
179	-0.1534	230	-0.5434	281	-0.0694
180	-0.2424	231	-0.1584	282	0.0726
181	0.3116	232	-0.0274	283	0.0956
182	-2.2514	233	0.0256	284	0.0946
183	0.0646	234	0.0156	285	-0.0104
184	0.1586	235	-0.0934	286	-0.5684
185	0.2626	236	-0.0014	287	-0.5224
186	0.4296	237	0.2046	288	-0.1164
187	-2.2514	238	0.2096	289	-0.1254
188	-2.2514	239	0.4186	290	-0.2344
189	-2.2514	240	0.2516	291	-0.6704
190	0.1636	241	-0.7134	292	-0.2604
191	-0.1874	242	-0.6924	325	-2.2514
192	-0.2054	244	-0.4104	326	-2.2514
193	-0.2124	245	-0.0924	327	-2.2514
194	-0.2144	246	-0.0024	328	-2.2514
195	-0.1874	247	0.0376	329	-2.2514
196	-0.2314	248	0.0336	330	-2.2514
197	-0.2104	249	0.0206	331	-2.2514
198	-0.2234	250	-0.0614	332	-2.2514
199	-0.2204	251	-0.2284	333	-2.2514
200	-0.1964	252	-0.3454	334	-2.2514
201	-0.2134	253	-2.2514	335	-2.2514
202	-0.2184	254	0.2046	336	-2.2514
203	-0.2144	255	-0.6054	337	-2.2514
204	-0.2104	256	-0.5874	338	-2.2514
205	0.1216	257	-0.5434	339	-2.2514
206	0.1526	258	-0.3024	340	-2.2514
207	0.1496	259	-0.0274	341	-2.2514
208	0.2066	260	0.0456	350	-0.1524
210	-2.2514	261	0.0626	351	-0.1434
211	0.3626	262	0.0236	352	-0.1004
212	0.1636	263	-0.2874	353	-0.0784
213	-0.8224	264	-0.3374	354	-0.0774
214	-0.7424	265	-0.2684	355	-0.0944
215	-0.7234	266	-0.2204		
216	-0.5344	267	-0.3434		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 133
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 203.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.798
TUNNEL DYNAMIC PRESSURE(PSF) = 1255.
TUNNEL STAGNATION PRESSURE(PSF) = 4283.
TUNNEL STATIC PRESSURE(PSF) = 2816.
REYNOLDS NUMBER PER FOOT = 7.9430E 06
MODEL ANGLE OF ATTACK(DEG) = 0.13
FIN ANGLE(DEG) = -0.44
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 561.

SCANIVALE	CP(REF)
147	-0.9788
247	-0.9798
347	-0.9778
447	-0.9788
547	-0.9788
647	-0.9788
747	-0.9798

ORF	CP	ORF	CP	ORF	CP
1	0.0072	52	-0.2758	102	-0.5298
2	-0.3398	53	-0.6068	103	-0.6238
3	-0.3458	54	-0.5098	104	-0.6228
4	-0.2118	55	0.0402	105	-0.5178
5	-0.1368	56	0.0092	110	-0.0478
6	-0.0948	57	-0.0138	111	-0.0748
7	-0.0748	58	-0.0448	112	-0.0388
8	-0.0718	59	-0.0738	113	-0.0928
9	-0.0728	60	-0.1088	114	-0.0998
10	-0.0798	61	-0.1568	115	-0.0078
11	-0.0928	62	-0.2208	116	0.0582
12	-0.1198	63	-0.3258	117	0.0662
13	-0.1718	64	-0.7758	118	0.0142
14	-0.3658	65	-0.5648	119	0.0122
15	-0.4558	66	0.0252	120	-0.0078
16	-0.1268	67	-0.0108	121	0.0112
17	-0.1468	68	-0.0448	122	-0.0958
18	-0.0968	69	-0.0808	123	-0.0958
19	-0.0908	70	-0.1268	124	-0.0248
20	-0.0718	71	-0.1718	125	-0.0198
21	-0.0588	72	-0.2468	126	0.0002
22	-0.0578	73	-0.3848	127	-0.0068
23	-0.0618	74	-0.5698	128	-0.1028
24	-0.0768	75	0.0092	129	-0.0228
25	-0.0968	76	-0.0398	135	0.0282
26	-0.1308	77	-0.0908	136	0.0232
27	-0.2008	78	-0.1388	137	0.0242
28	-0.3938	79	-0.1958	138	0.1092
29	-0.4878	80	-0.2818	139	0.1082
30	-0.0238	81	-0.4808	140	0.1082
32	-0.0268	82	-0.5348	141	0.1192
33	-0.0458	83	-0.0218	142	0.1122
34	-0.0398	84	-0.0858	143	0.1122
35	-0.0488	85	-0.1388	145	0.0242
36	-0.0528	86	-0.1948	147	0.1162
37	-0.0778	87	-0.2688	151	-0.0078
38	-0.1018	88	-0.4138	152	-0.1468
39	-0.1428	89	-0.4858	153	-0.1708
40	-0.2088	90	-0.1028	154	-0.2268
41	-0.3818	91	-0.1508	155	0.1202
42	-0.4938	92	-0.1928	156	0.1032
43	0.0382	93	-0.2508	157	-0.0708
44	0.0012	94	-0.3358	158	0.3982
45	-0.0148	95	-0.3558	159	0.2382
46	-0.0278	96	-0.3418	160	0.1762
47	-0.0488	97	-0.7388	161	0.0422
48	-0.0688	98	-0.0378	162	0.3422
49	-0.0968	99	-0.0968	163	0.2642
50	-0.1368	100	-0.4008	164	0.1032
51	-0.1958	101	-0.5948	165	-0.0298

ORF	CP	ORF	CP	ORF	CP
166	0.3822	217	-0.1218	268	-0.3818
167	0.2472	218	-0.0858	269	-0.1928
168	0.1842	219	-0.0758	270	-0.1378
169	0.0312	220	-0.0938	271	-0.5388
170	0.2512	221	-0.2528	272	-0.5018
171	0.1052	222	-0.2828	273	-0.1268
172	-0.0728	223	0.1452	274	-0.1238
173	-0.0178	224	0.2282	275	0.2822
174	-0.0848	225	0.1872	276	0.2562
175	-0.2468	226	0.0012	277	0.0672
176	-0.2608	227	-0.6798	278	-0.7588
177	-0.2298	228	-0.6618	279	-0.7498
178	-0.4028	229	-0.5868	280	-0.6628
179	-0.3238	230	-0.3428	281	-0.4088
180	-0.2138	231	-0.1428	282	-0.1498
181	0.2832	232	-0.0928	283	-0.0938
182	0.3812	233	-0.0738	284	-0.0738
183	-2.2438	234	-0.0828	285	-0.1418
184	-2.2438	235	-0.1808	286	-0.5698
185	-2.2438	236	-0.0968	287	-0.5418
186	-2.2438	237	0.1052	288	-0.1068
187	-2.2438	238	0.0572	289	-0.1198
188	-2.2438	239	0.1962	290	-0.1958
189	-2.2438	240	0.0602	291	-0.6088
190	0.2252	241	-0.6558	292	-0.1018
191	-0.1888	242	-0.6178	325	0.2962
192	-0.1918	244	-0.2888	326	0.3252
193	-0.1808	245	-0.1418	327	0.3312
194	-0.1918	246	-0.1018	328	0.3452
195	-0.1848	247	-0.0828	329	0.3852
196	-0.2038	248	-0.0828	330	0.4062
197	-0.1908	249	-0.0878	331	-2.2438
198	-0.1928	250	-0.0168	332	-2.2438
199	-0.1938	251	-0.1878	333	-2.2438
200	-0.1988	252	-0.2628	334	-2.2438
201	-0.1858	253	0.2232	335	-2.2438
202	-0.1838	254	0.0332	336	-2.2438
203	-0.1858	255	-0.7068	337	-2.2438
204	-0.1838	256	-0.6818	338	-2.2438
205	0.1762	257	-0.6658	339	-2.2438
206	0.1982	258	-0.4588	340	-2.2438
207	0.2022	259	-0.1658	341	-2.2438
208	0.1952	260	-0.1008	350	-0.0398
210	0.3072	261	-0.0878	351	-0.0178
211	0.2452	262	-0.1028	352	0.0332
212	0.0712	263	-0.3618	353	0.0622
213	-0.8338	264	-0.3128	354	0.0632
214	-0.6728	265	-0.2148	355	0.0322
215	-0.5988	266	-0.1678		
216	-0.3338	267	-0.3998		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 134
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 203.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.800
TUNNEL DYNAMIC PRESSURE(PSF) = 1259.
TUNNEL STAGNATION PRESSURE(PSF) = 4286.
TUNNEL STATIC PRESSURE(PSF) = 2813.
REYNOLDS NUMBER PER FOOT = 7.9550E 06
MODEL ANGLE OF ATTACK(DEG) = 7.98
FIN ANGLE(DEG) = -0.45
FREE*STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 561.

SCAN VALUE	CP(REF)
147	-0.9733
247	-0.9743
347	-0.9743
447	-0.9743
547	-0.9783
647	-0.9773
747	-0.9783

ORF	CP	ORF	CP	ORF	CP
1	-0.1603	52	-0.3953	102	-0.5163
2	-0.3963	53	-0.5643	103	-0.6533
3	-0.3743	54	-0.5123	104	-0.6253
4	-0.2903	55	-0.6263	105	-0.4993
5	-0.2383	56	-0.3683	110	-0.0413
6	-0.2193	57	-0.2693	111	-0.0903
7	-0.2043	58	-0.2653	112	-0.0493
8	-0.2053	59	-0.2763	113	-0.1403
9	-0.2043	60	-0.3003	114	-0.1473
10	-0.2083	61	-0.3263	115	-0.0403
11	-0.2223	62	-0.3723	116	0.0787
12	-0.2383	63	-0.4343	117	0.0747
13	-0.2733	64	-0.6113	118	-0.0233
14	-0.4373	65	-0.5783	119	-0.0213
15	-0.4773	66	-0.8203	120	-0.0293
16	-0.2683	67	-0.6603	121	-0.0243
17	-0.2763	68	-0.3983	122	-0.0863
18	-0.2473	69	-0.3053	123	-0.1533
19	-0.2433	70	-0.3013	124	-0.0623
20	-0.2253	71	-0.3313	125	-0.0413
21	-0.2133	72	-0.3723	126	-0.0273
22	-0.2083	73	-0.4733	127	-0.0363
23	-0.2153	74	-0.5373	128	-0.0933
24	-0.2233	75	-0.7493	129	-0.0213
25	-0.2363	76	-0.6673	135	-0.0063
26	-0.2653	77	-0.6443	136	-0.0173
27	-0.3113	78	-0.5273	137	-0.0063
28	-0.4353	79	-0.4093	138	0.0787
29	-0.4983	80	-0.3713	139	0.0797
30	-0.2363	81	-0.4683	140	0.0827
32	-0.2283	82	-0.4513	141	0.1037
33	-0.2303	83	-0.7533	142	0.0997
34	-0.2253	84	-0.7933	143	0.1017
35	-0.2293	85	-0.6553	145	-0.0213
36	-0.2363	86	-0.5153	147	0.0977
37	-0.2433	87	-0.4273	151	-0.0213
38	-0.2653	88	-0.4493	152	-0.1673
39	-0.2903	89	-0.4333	153	-0.1713
40	-0.3433	90	-0.7473	154	-0.2303
41	-0.4543	91	-0.6193	155	0.0437
42	-0.5043	92	-0.5903	156	0.0427
43	-0.3133	93	-0.5423	157	-0.1053
44	-0.2433	94	-0.4633	158	0.2447
45	-0.2533	95	-0.3983	159	0.1407
46	-0.2573	96	-0.2623	160	0.0797
47	-0.2553	97	-0.5973	161	-0.0313
48	-0.2703	98	0.0617	162	0.2007
49	-0.2823	99	0.0267	163	0.1477
50	-0.3073	100	-0.3993	164	0.0797
51	-0.3453	101	-0.5733	165	-0.0853

ORF	CP	ORF	CP	ORF	CP
166	0.2487	217	-0.1973	268	-0.3673
167	0.1627	218	-0.1793	269	-0.2053
168	0.0997	219	-0.1693	270	-0.1713
169	-0.0143	220	-0.1773	271	-0.5533
170	0.1857	221	-0.2863	272	-0.3623
171	0.0717	222	-0.2883	273	-0.1963
172	-0.0983	223	0.0477	274	-0.2143
173	-0.0263	224	0.1107	275	0.0877
174	-0.1153	225	0.0977	276	0.0467
175	-0.2423	226	-0.0713	277	-0.1053
176	-0.2803	227	-0.7533	278	-0.7713
177	-0.2453	228	-0.7163	279	-0.7303
178	-0.3753	229	-0.6173	280	-0.6213
179	-0.3143	230	-0.3803	281	-0.3863
180	-0.2273	231	-0.2323	282	-0.2523
181	-0.0583	232	-0.1983	283	-0.2363
182	0.0747	233	-0.1843	284	-0.2213
183	0.3587	234	-0.1713	285	-0.2623
184	-2.2343	235	-0.2273	286	-0.5713
185	-2.2343	236	-0.1273	287	-0.4633
186	-2.2343	237	0.0507	288	-0.2133
187	-2.2343	238	0.0407	289	-0.1833
188	-2.2343	239	0.1087	290	-0.2053
189	-2.2343	240	-0.0313	291	-0.6623
190	0.3087	241	-0.8043	292	0.0557
191	-0.2053	242	-0.7663	325	0.2777
192	-0.1943	244	-0.4413	326	0.3177
193	-0.1863	245	-0.2593	327	0.3627
194	-0.1943	246	-0.2193	328	0.4177
195	-0.2073	247	-0.2033	329	-2.2343
196	-0.2073	248	-0.1853	330	-2.2343
197	-0.1953	249	-0.1623	331	-2.2343
198	-0.1923	250	-0.0273	332	-2.2343
199	-0.1963	251	-0.1943	333	-2.2343
200	-0.2033	252	-0.2663	334	-2.2343
201	-0.2003	253	0.0807	335	-2.2343
202	-0.1913	254	-0.0883	336	-2.2343
203	-0.1993	255	-0.8413	337	-2.2343
204	-0.2033	256	-0.7983	338	-2.2343
205	0.0887	257	-0.7013	339	-2.2343
206	0.1207	258	-0.4843	340	-2.2343
207	0.0967	259	-0.2843	341	-2.2343
208	0.0877	260	-0.2413	350	0.1307
210	0.1067	261	-0.2223	351	0.1327
211	0.1107	262	-0.2283	352	0.1597
212	-0.0373	263	-0.4233	353	0.1667
213	-0.7353	264	-0.3543	354	0.1427
214	-0.5293	265	-0.2453	355	0.1077
215	-0.4493	266	-0.1933		
216	-0.2833	267	-0.4633		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 135
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 203.
CONFIGURATION NO. = 2.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.799
TUNNEL DYNAMIC PRESSURE(PSF) = 1258.
TUNNEL STAGNATION PRESSURE(PSF) = 4285.
TUNNEL STATIC PRESSURE(PSF) = 2813.
REYNOLDS NUMBER PER FOOT = 7.9570E 06
MODEL ANGLE OF ATTACK(DEG) = 0.06
FIN ANGLE(DEG) = -0.43
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 561.

SCANIVALE	CP(REF)
147	-0.9741
247	-0.9761
347	-0.9741
447	-0.9741
547	-0.9701
647	-0.9701
747	-0.9701

ORF	CP	ORF	CP	ORF	CP
1	0.0159	52	-0.2681	102	-0.5081
2	-0.3271	53	-0.6041	103	-0.6251
3	-0.3221	54	-0.5041	104	-0.6121
4	-0.2131	55	0.0559	105	-0.5071
5	-0.1191	56	0.0159	110	-0.0371
6	-0.0811	57	-0.0111	111	-0.0651
7	-0.0671	58	-0.0401	112	-0.0331
8	-0.0591	59	-0.0651	113	-0.0881
9	-0.0591	60	-0.0981	114	-0.0961
10	-0.0721	61	-0.1461	115	-0.0031
11	-0.0901	62	-0.2111	116	0.0529
12	-0.1141	63	-0.3151	117	0.0679
13	-0.1661	64	-0.7361	118	0.0089
14	-0.3611	65	-0.5581	119	0.0049
15	-0.4401	66	0.0349	120	-0.0021
16	-0.1181	67	-0.0051	121	0.0179
17	-0.1241	68	-0.0391	122	-0.0931
18	-0.1001	69	-0.0801	123	-0.0921
19	-0.0811	70	-0.1151	124	-0.0281
20	-0.0641	71	-0.1701	125	-0.0141
21	-0.0511	72	-0.2421	126	-0.0041
22	-0.0461	73	-0.3801	127	-0.0041
23	-0.0561	74	-0.5571	128	-0.0981
24	-0.0771	75	0.0149	129	-0.0161
25	-0.0921	76	-0.0331	135	0.0409
26	-0.1261	77	-0.0791	136	0.0209
27	-0.1921	78	-0.1331	137	0.0429
28	-0.3801	79	-0.1951	138	0.1159
29	-0.4701	80	-0.2741	139	0.1149
30	-0.0121	81	-0.4731	140	0.1169
32	-0.0211	82	-0.5141	141	0.1269
33	-0.0401	83	-0.0041	142	0.1289
34	-0.0301	84	-0.0701	143	0.1259
35	-0.0401	85	-0.1291	145	0.0229
36	-0.0521	86	-0.1871	147	0.1289
37	-0.0701	87	-0.2551	151	0.0049
38	-0.0941	88	-0.4041	152	-0.1401
39	-0.1351	89	-0.4541	153	-0.1631
40	-0.2101	90	-0.0941	154	-0.2231
41	-0.3791	91	-0.1421	155	0.1169
42	-0.4801	92	-0.1871	156	0.1139
43	0.0509	93	-0.2441	157	-0.0621
44	0.0109	94	-0.3221	158	0.3999
45	-0.0051	95	-0.3501	159	0.2489
46	-0.0241	96	-0.3361	160	0.1799
47	-0.0391	97	-0.7101	161	0.0479
48	-0.0601	98	-0.0341	162	0.3409
49	-0.0891	99	-0.0941	163	0.2659
50	-0.1251	100	-0.3931	164	0.1119
51	-0.1781	101	-0.5681	165	-0.0171

ORF	CP	ORF	CP	ORF	CP
166	0.3989	217	-0.1071	268	-0.3791
167	0.2429	218	-0.0701	269	-0.1891
168	0.1899	219	-0.0621	270	-0.1201
169	0.0379	220	-0.0811	271	-0.5391
170	0.2669	221	-0.2401	272	-0.4941
171	0.1109	222	-0.2781	273	-0.1231
172	-0.0661	223	0.1509	274	-0.1221
173	-0.0101	224	0.2329	275	0.2879
174	-0.0741	225	0.1989	276	0.2619
175	-0.2501	226	0.0149	277	0.0779
176	-0.2531	227	-0.6861	278	-0.7561
177	-0.2211	228	-0.6391	279	-0.7351
178	-0.3891	229	-0.5811	280	-0.6561
179	-0.3171	230	-0.3251	281	-0.3941
180	-0.2101	231	-0.1371	282	-0.1331
181	0.2829	232	-0.0891	283	-0.0821
182	0.3839	233	-0.0691	284	-0.0661
183	-2.2361	234	-0.0731	285	-0.1361
184	-2.2361	235	-0.1711	286	-0.5541
185	-2.2361	236	-0.0941	287	-0.5331
186	-2.2361	237	0.1089	288	-0.1121
187	-2.2361	238	0.0749	289	-0.1121
188	-2.2361	239	0.2019	290	-0.1801
189	-2.2361	240	0.0679	291	-0.5931
190	0.2299	241	-0.6391	292	-0.1001
191	-0.1841	242	-0.6151	325	0.2929
192	-0.1831	244	-0.2781	326	0.3169
193	-0.1871	245	-0.1341	327	0.3279
194	-0.1801	246	-0.0951	328	0.3509
195	-0.1821	247	-0.0791	329	0.3769
196	-0.2021	248	-0.0771	330	0.4179
197	-0.1831	249	-0.0871	331	-2.2361
198	-0.1861	250	-0.0101	332	-2.2361
199	-0.1911	251	-0.1701	333	-2.2361
200	-0.1821	252	-0.2551	334	-2.2361
201	-0.1861	253	0.2209	335	-2.2361
202	-0.1851	254	0.0429	336	-2.2361
203	-0.1791	255	-0.7021	337	-2.2361
204	-0.1751	256	-0.6821	338	-2.2361
205	0.1859	257	-0.6471	339	-2.2361
206	0.2149	258	-0.4231	340	-2.2361
207	0.2179	259	-0.1471	341	-2.2361
208	0.2129	260	-0.0861	350	-0.0341
210	0.3159	261	-0.0741	351	-0.0151
211	0.2629	262	-0.0891	352	0.0389
212	0.0809	263	-0.3431	353	0.0649
213	-0.8251	264	-0.3051	354	0.0709
214	-0.6611	265	-0.2061	355	0.0409
215	-0.5611	266	-0.1691		
216	-0.3181	267	-0.3941		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 204
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 20.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.358
TUNNEL DYNAMIC PRESSURE(PSF) = 822.
TUNNEL STAGNATION PRESSURE(PSF) = 1911.
TUNNEL STATIC PRESSURE(PSF) = 636.
REYNOLDS NUMBER PER FOOT = 3.9420E 06
MODEL ANGLE OF ATTACK(DEG) = -14.21
FIN ANGLE(DEG) = 0.01
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 561.

SCANIVALE	CP(REF)
147	1.2403
247	1.2403
347	1.2393
447	1.2393
547	1.2423
647	1.2423
747	1.2423

ORF	CP	ORF	CP	ORF	CP
1	0.6563	52	0.4943	102	0.0863
2	0.4813	53	0.2663	103	-0.2617
3	0.4393	54	0.1583	104	-0.2257
4	0.4603	55	0.7873	105	-0.1557
5	0.4973	56	0.7393	110	-0.1727
6	0.5223	57	0.7083	111	-0.1257
7	0.5343	58	0.6903	112	-0.0967
8	0.5433	59	0.6603	113	-0.1427
9	0.5483	60	0.6273	114	-0.2857
10	0.5503	61	0.5893	115	-0.1597
11	0.5463	62	0.5443	116	-0.0257
12	0.5323	63	0.4653	117	-0.0197
13	0.5063	64	0.0983	118	-0.0347
14	0.3693	65	0.1443	119	-0.0347
15	0.2743	66	0.8073	120	-0.0327
16	0.5663	67	0.7483	121	-0.1507
17	0.5273	68	0.7033	122	-0.1597
18	0.5363	69	0.6673	123	-0.2477
19	0.5443	70	0.6323	124	-0.1767
20	0.5503	71	0.5823	125	-0.1677
21	0.5593	72	0.5193	126	-0.1497
22	0.5673	73	0.4203	127	-0.1627
23	0.5693	74	0.1253	128	-0.2047
24	0.5673	75	0.8023	129	-0.1077
25	0.5603	76	0.7343	135	-0.1347
26	0.5413	77	0.6753	136	-0.1417
27	0.5033	78	0.6173	137	-0.1437
28	0.3773	79	0.5593	138	-0.0407
29	0.2493	80	0.4803	139	-0.0307
30	0.6593	81	0.3253	140	-0.0297
32	0.6143	82	0.0893	141	0.0893
33	0.6123	83	0.7343	142	0.0913
34	0.6123	84	0.6983	143	0.0943
35	0.6053	85	0.6143	145	-0.1367
36	0.6013	86	0.5223	147	0.0963
37	0.5913	87	0.4393	151	0.4033
38	0.5783	88	0.3193	152	0.1423
39	0.5553	89	0.0453	153	0.0603
40	0.5083	90	0.6963	154	-0.0977
41	0.4013	91	0.5173	155	0.2683
42	0.2163	92	0.4073	156	0.4243
43	0.7443	93	0.3293	157	0.2823
44	0.6953	94	0.2463	158	0.7583
45	0.6763	95	-0.0207	159	0.5713
46	0.6673	96	-0.3477	160	0.5423
47	0.6563	97	-0.0797	161	0.4583
48	0.6403	98	-0.4597	162	0.7313
49	0.6153	99	-0.3107	163	0.6043
50	0.5913	100	-0.2507	164	-0.0327
51	0.5503	101	0.0243	165	0.3763

ORF	CP	ORF	CP	ORF	CP
166	0.6423	217	-0.1437	268	0.2333
167	0.5563	218	-0.0397	269	0.5913
168	0.5163	219	0.4623	270	0.6793
169	0.3763	220	0.5333	271	0.0853
170	0.5713	221	-0.0167	272	0.1833
171	0.4283	222	0.1323	273	0.5753
172	0.2773	223	0.4583	274	0.6473
173	0.2913	224	0.4893	275	0.4163
174	0.1833	225	0.6823	276	0.6723
175	0.0913	226	0.5863	277	0.6593
176	-0.1137	227	-0.4757	278	0.3163
177	0.1363	228	-0.4097	279	0.3773
178	0.0543	229	-0.3367	280	0.4113
179	0.0493	230	-0.1967	281	0.4423
180	-0.3327	231	-0.1117	282	0.5033
181	0.6963	232	-0.0017	283	0.5213
182	0.8243	233	0.4773	284	0.5633
183	0.3863	234	0.5483	285	0.5193
184	0.4663	235	0.3283	286	0.0263
185	0.5793	236	0.2613	287	0.2413
186	0.8893	237	0.3643	288	0.4943
187	1.2263	238	0.4513	289	0.5093
188	1.4243	239	0.5853	290	0.6463
189	1.4513	240	0.5553	291	-0.4397
190	-0.3047	241	-0.4257	292	0.0673
191	-0.3467	242	-0.3097	325	-0.0037
192	-0.3187	244	-0.1087	326	-0.0037
193	-0.3147	245	0.0613	327	-0.0037
194	-0.3057	246	0.3053	328	-0.0007
195	-0.3407	247	0.4943	329	-0.0017
196	-0.3367	248	0.5393	330	0.0003
197	-0.3117	249	0.5003	331	-0.0027
198	-0.3127	250	0.0063	332	-0.0027
199	-0.3187	251	-0.3017	333	0.0003
200	-0.3337	252	0.3383	334	-0.0037
201	-0.3147	253	0.6783	335	0.0013
202	-0.2997	254	0.6633	336	-0.0027
203	-0.3057	255	-0.4367	337	-0.0047
204	-0.3167	256	-0.3477	338	-0.0047
205	-0.0067	257	-0.2787	339	-0.0037
206	0.1093	258	0.0573	340	-0.0017
207	0.0083	259	0.3493	341	-0.0007
208	0.0593	260	0.4423	350	-0.0357
210	0.6773	261	0.5203	351	-0.0097
211	0.7843	262	0.5343	352	0.0013
212	0.6853	263	0.3223	353	0.0073
213	-0.3507	264	0.3063	354	0.0053
214	-0.3247	265	0.5683	355	0.0113
215	-0.2837	266	0.6513		
216	-0.2117	267	0.2613		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 205
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 20.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.354
TUNNEL DYNAMIC PRESSURE(PSF) = 823.
TUNNEL STAGNATION PRESSURE(PSF) = 1915.
TUNNEL STATIC PRESSURE(PSF) = 642.
REYNOLDS NUMBER PER FOOT = 3.9580E 06
MODEL ANGLE OF ATTACK(DEG) = -12.07
FIN ANGLE(DEG) = 0.05
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.2289
247	1.2279
347	1.2289
447	1.2289
547	1.2299
647	1.2309
747	1.2309

ORF	CP	ORF	CP	ORF	CP
1	0.5749	52	0.4509	102	0.0739
2	0.4359	53	0.2359	103	-0.2111
3	0.3769	54	0.1109	104	-0.1591
4	0.3859	55	0.6959	105	-0.1741
5	0.4059	56	0.6499	110	-0.1531
6	0.4149	57	0.6339	111	-0.1241
7	0.4389	58	0.6179	112	-0.1001
8	0.4569	59	0.5939	113	-0.1471
9	0.4679	60	0.5729	114	-0.2731
10	0.4689	61	0.5389	115	-0.1641
11	0.4759	62	0.4969	116	-0.0681
12	0.4749	63	0.4299	117	-0.0261
13	0.4539	64	0.0729	118	-0.0261
14	0.3249	65	0.1029	119	-0.0401
15	0.2319	66	0.7279	120	-0.0021
16	0.4939	67	0.6829	121	-0.1241
17	0.4439	68	0.6409	122	-0.1361
18	0.4439	69	0.6089	123	-0.2471
19	0.4639	70	0.5829	124	-0.1701
20	0.4699	71	0.5379	125	-0.1601
21	0.4689	72	0.4829	126	-0.1431
22	0.4879	73	0.3899	127	-0.1531
23	0.4919	74	0.0869	128	-0.2181
24	0.4989	75	0.7399	129	-0.1321
25	0.4979	76	0.6779	135	-0.1221
26	0.4799	77	0.6209	136	-0.1301
27	0.4529	78	0.5699	137	-0.1291
28	0.3349	79	0.5159	138	-0.0271
29	0.1999	80	0.4449	139	-0.0191
30	0.5549	81	0.2999	140	-0.0211
32	0.5309	82	0.0509	141	0.0719
33	0.5239	83	0.6759	142	0.0809
34	0.5079	84	0.6489	143	0.0759
35	0.5209	85	0.5689	145	-0.1251
36	0.5249	86	0.4789	147	0.0769
37	0.5229	87	0.3909	151	0.3859
38	0.5169	88	0.2879	152	0.1309
39	0.5029	89	0.0029	153	0.0499
40	0.4609	90	0.6499	154	-0.1151
41	0.3659	91	0.4669	155	0.2649
42	0.1629	92	0.3619	156	0.4489
43	0.6399	93	0.2889	157	0.2959
44	0.5999	94	0.2119	158	0.6979
45	0.5829	95	-0.0621	159	0.6029
46	0.5899	96	-0.2911	160	0.5669
47	0.5819	97	-0.1401	161	0.4779
48	0.5639	98	-0.3571	162	0.6899
49	0.5489	99	-0.4531	163	0.5999
50	0.5319	100	-0.3241	164	-0.0291
51	0.5009	101	0.0069	165	0.3819

ORF	CP	ORF	CP	ORF	CP
166	0.6039	217	-0.1421	268	0.1869
167	0.5609	218	-0.0371	269	0.5409
168	0.5149	219	0.3549	270	0.6269
169	0.3749	220	0.4799	271	0.0739
170	0.5349	221	-0.0461	272	0.1189
171	0.4249	222	0.1069	273	0.5279
172	0.2939	223	0.4229	274	0.5979
173	0.2619	224	0.4559	275	0.3959
174	0.1949	225	0.6289	276	0.5799
175	0.1209	226	0.5459	277	0.6139
176	-0.0841	227	-0.4751	278	0.2899
177	0.1439	228	-0.4011	279	0.3509
178	0.0349	229	-0.3141	280	0.3679
179	0.0249	230	-0.1731	281	0.3849
180	-0.3261	231	-0.1011	282	0.4119
181	0.6449	232	-0.0431	283	0.4419
182	0.7769	233	0.4059	284	0.4829
183	0.3779	234	0.4979	285	0.4639
184	0.4789	235	0.2979	286	0.0399
185	0.6489	236	0.2269	287	0.1639
186	0.9619	237	0.3329	288	0.4529
187	1.2849	238	0.4149	289	0.4619
188	1.4319	239	0.5439	290	0.6119
189	1.4779	240	0.5019	291	-0.4471
190	-0.3051	241	-0.4261	292	0.0879
191	-0.3461	242	-0.3051	325	0.0219
192	-0.3221	244	-0.1051	326	0.0229
193	-0.3201	245	0.0119	327	0.0279
194	-0.3041	246	0.2099	328	0.0309
195	-0.3311	247	0.4189	329	0.0289
196	-0.3261	248	0.4879	330	0.0309
197	-0.3081	249	0.4609	331	0.0239
198	-0.3081	250	0.0349	332	0.0279
199	-0.3121	251	-0.3011	333	0.0339
200	-0.3241	252	0.3139	334	0.0289
201	-0.3091	253	0.6149	335	0.0319
202	-0.2941	254	0.6029	336	0.0239
203	-0.3041	255	-0.4321	337	0.0239
204	-0.3101	256	-0.3091	338	0.0219
205	0.0679	257	-0.2411	339	0.0269
206	0.1409	258	-0.0161	340	0.0299
207	0.0959	259	0.3059	341	0.0299
208	0.1129	260	0.3639	350	-0.0401
210	0.6079	261	0.4449	351	0.0129
211	0.7329	262	0.4839	352	0.0259
212	0.6369	263	0.2789	353	0.0339
213	-0.3601	264	0.2759	354	0.0349
214	-0.3221	265	0.5429	355	0.0309
215	-0.2711	266	0.5989		
216	-0.2031	267	0.2259		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 206

TUNNEL = 11

TEST NO. = 086

TEST PHASE = 2

RUN NUMBER = 20.

CONFIGURATION NO. = 3.

ANGLE OF MODEL ROLL(DEG) = 0.

MACH NUMBER = 1.354

TUNNEL DYNAMIC PRESSURE(PSF) = 823.

TUNNEL STAGNATION PRESSURE(PSF) = 1914.

TUNNEL STATIC PRESSURE(PSF) = 641.

REYNOLDS NUMBER PER FOOT = 3.9560E 06

MODEL ANGLE OF ATTACK(DEG) = -8.09

FIN ANGLE(DEG) = 0.05

FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.2311
247	1.2301
347	1.2301
447	1.2311
547	1.2321
647	1.2321
747	1.2321

ORF	CP	ORF	CP	ORF	CP
1	0.5121	52	0.3791	102	0.0481
2	0.3261	53	0.1911	103	-0.2999
3	0.2811	54	0.0431	104	-0.3039
4	0.2741	55	0.5021	105	-0.1999
5	0.2781	56	0.4531	110	-0.1469
6	0.2851	57	0.4351	111	-0.1269
7	0.2951	58	0.4371	112	-0.0959
8	0.3041	59	0.4671	113	-0.1489
9	0.3101	60	0.4641	114	-0.2169
10	0.3241	61	0.4451	115	-0.1509
11	0.3391	62	0.4191	116	-0.0749
12	0.3531	63	0.3671	117	-0.0529
13	0.3441	64	0.0341	118	-0.0519
14	0.2411	65	0.0431	119	-0.0689
15	0.1641	66	0.5321	120	0.0251
16	0.4171	67	0.5001	121	-0.0919
17	0.3351	68	0.4971	122	-0.0919
18	0.3091	69	0.4881	123	-0.1739
19	0.3021	70	0.4791	124	-0.1429
20	0.3201	71	0.4581	125	-0.1219
21	0.3171	72	0.4181	126	-0.0989
22	0.3221	73	0.3391	127	-0.1119
23	0.3271	74	0.0291	128	-0.2189
24	0.3371	75	0.5911	129	-0.1459
25	0.3531	76	0.5481	135	-0.0919
26	0.3651	77	0.5131	136	-0.0969
27	0.3571	78	0.4831	137	-0.0989
28	0.2671	79	0.4461	138	0.0021
29	0.1241	80	0.3841	139	0.0081
30	0.4351	81	0.2581	140	0.0081
32	0.3521	82	-0.0109	141	0.0511
33	0.3751	83	0.5521	142	0.0521
34	0.3521	84	0.5391	143	0.0471
35	0.3511	85	0.4791	145	-0.0929
36	0.3551	86	0.4001	147	0.0531
37	0.3611	87	0.3181	151	0.3451
38	0.3881	88	0.2291	152	0.1071
39	0.4011	89	-0.0529	153	0.0101
40	0.3861	90	0.5501	154	-0.1429
41	0.3041	91	0.3681	155	0.2571
42	0.0641	92	0.2771	156	0.4411
43	0.4771	93	0.2141	157	0.2911
44	0.4331	94	0.1531	158	0.6491
45	0.4071	95	-0.1159	159	0.5631
46	0.3951	96	-0.1949	160	0.5341
47	0.3891	97	-0.0679	161	0.4501
48	0.4021	98	-0.1639	162	0.6391
49	0.4201	99	-0.3019	163	0.5521
50	0.4321	100	-0.2429	164	0.0041
51	0.4191	101	0.0111	165	0.3451

ORF	CP	ORF	CP	ORF	CP
166	0.5521	217	-0.1389	268	0.1591
167	0.5271	218	-0.0499	269	0.4691
168	0.4921	219	0.1251	270	0.5431
169	0.3561	220	0.3601	271	0.0611
170	0.5731	221	-0.1139	272	0.0681
171	0.4671	222	0.0391	273	0.4541
172	0.2881	223	0.3411	274	0.5271
173	0.3331	224	0.3751	275	0.2471
174	0.2631	225	0.5271	276	0.5671
175	0.0511	226	0.4541	277	0.5571
176	-0.1449	227	-0.4809	278	0.1351
177	0.1381	228	-0.4009	279	0.2131
178	0.0321	229	-0.2969	280	0.2561
179	0.0261	230	-0.1559	281	0.2921
180	-0.3159	231	-0.1029	282	0.2861
181	0.5811	232	-0.0619	283	0.2881
182	0.7231	233	0.2181	284	0.3331
183	0.5911	234	0.3821	285	0.3531
184	0.8191	235	0.2331	286	0.0371
185	1.0221	236	0.1581	287	0.0361
186	1.2131	237	0.2511	288	0.3951
187	1.3531	238	0.3271	289	0.4401
188	1.4591	239	0.4981	290	0.5061
189	1.4791	240	0.4651	291	-0.4499
190	-0.2899	241	-0.4479	292	0.0801
191	-0.3329	242	-0.3359	325	0.0441
192	-0.2999	244	-0.1159	326	0.0451
193	-0.2989	245	-0.0179	327	0.0441
194	-0.2949	246	0.0821	328	0.0471
195	-0.3099	247	0.2621	329	0.0461
196	-0.3119	248	0.3791	330	0.0471
197	-0.2969	249	0.3821	331	0.0451
198	-0.2969	250	0.0561	332	0.0441
199	-0.2989	251	-0.2919	333	0.0481
200	-0.3039	252	0.2631	334	0.0451
201	-0.2899	253	0.5341	335	0.0471
202	-0.2889	254	0.5211	336	0.0451
203	-0.2899	255	-0.4159	337	0.0451
204	-0.2909	256	-0.2759	338	0.0451
205	0.1651	257	-0.1489	339	0.0441
206	0.2001	258	-0.0009	340	0.0481
207	0.2051	259	0.1861	341	0.0471
208	0.1991	260	0.2281	350	-0.0689
210	0.5021	261	0.2961	351	0.0211
211	0.6441	262	0.3771	352	0.0481
212	0.5611	263	0.2161	353	0.0581
213	-0.3689	264	0.2251	354	0.0601
214	-0.3179	265	0.4851	355	0.0581
215	-0.2719	266	0.5161		
216	-0.2119	267	0.1691		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 207
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 20.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.356
TUNNEL DYNAMIC PRESSURE(PSF) = 824.
TUNNEL STAGNATION PRESSURE(PSF) = 1916.
TUNNEL STATIC PRESSURE(PSF) = 640.
REYNOLDS NUMBER PER FOOT = 3.9610E 06
MODEL ANGLE OF ATTACK(DEG) = -6.08
FIN ANGLE(DEG) = 0.04
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.2313
247	1.2303
347	1.2303
447	1.2313
547	1.2283
647	1.2293
747	1.2283

ORF	CP	ORF	CP	ORF	CP
1	0.4013	52	0.3233	102	0.0353
2	0.2453	53	0.1623	103	-0.2937
3	0.2233	54	0.0113	104	-0.3097
4	0.2253	55	0.4223	105	-0.2277
5	0.2253	56	0.3763	110	-0.1357
6	0.2233	57	0.3603	111	-0.1207
7	0.2283	58	0.3473	112	-0.0927
8	0.2433	59	0.3503	113	-0.1477
9	0.2523	60	0.3623	114	-0.2097
10	0.2593	61	0.3713	115	-0.1497
11	0.2713	62	0.3623	116	-0.0817
12	0.2753	63	0.3273	117	-0.0577
13	0.2733	64	0.0153	118	-0.0557
14	0.1723	65	0.0223	119	-0.0727
15	0.1043	66	0.4453	120	0.0313
16	0.3353	67	0.3993	121	-0.0647
17	0.2743	68	0.3843	122	-0.0937
18	0.2573	69	0.3813	123	-0.1797
19	0.2523	70	0.3933	124	-0.1337
20	0.2513	71	0.4063	125	-0.1127
21	0.2473	72	0.3763	126	-0.0867
22	0.2583	73	0.3193	127	-0.1007
23	0.2663	74	0.0103	128	-0.2167
24	0.2743	75	0.4793	129	-0.1477
25	0.2803	76	0.4413	135	-0.0827
26	0.2823	77	0.4323	136	-0.0877
27	0.2763	78	0.4313	137	-0.0907
28	0.1983	79	0.4093	138	0.0143
29	0.0703	80	0.3563	139	0.0173
30	0.3723	81	0.2423	140	0.0173
32	0.2853	82	-0.0327	141	0.0453
33	0.2873	83	0.4673	142	0.0473
34	0.2833	84	0.4633	143	0.0443
35	0.2843	85	0.4263	145	-0.0867
36	0.2873	86	0.3603	147	0.0473
37	0.2943	87	0.2853	151	0.2993
38	0.2983	88	0.2023	152	0.0903
39	0.3023	89	-0.0777	153	-0.0107
40	0.2963	90	0.4883	154	-0.1707
41	0.2433	91	0.3113	155	0.2723
42	0.0203	92	0.2333	156	0.3803
43	0.3913	93	0.1873	157	0.2443
44	0.3413	94	0.1343	158	0.5813
45	0.3333	95	-0.1317	159	0.4993
46	0.3253	96	-0.1477	160	0.4763
47	0.3193	97	-0.0917	161	0.3963
48	0.3253	98	-0.0857	162	0.5503
49	0.3273	99	-0.1517	163	0.4783
50	0.3323	100	0.0163	164	0.0163
51	0.3403	101	-0.0087	165	0.2863

ORF	CP	ORF	CP	ORF	CP
166	0.4963	217	-0.0707	268	0.1353
167	0.4533	218	-0.0357	269	0.3993
168	0.4123	219	0.1133	270	0.4713
169	0.2713	220	0.2803	271	0.0263
170	0.4973	221	-0.1687	272	0.0403
171	0.3603	222	-0.0177	273	0.3973
172	0.2103	223	0.2863	274	0.4593
173	0.2643	224	0.3153	275	0.2433
174	0.1993	225	0.4613	276	0.4643
175	-0.0057	226	0.3913	277	0.4353
176	-0.1677	227	-0.4677	278	0.0683
177	0.1143	228	-0.3807	279	0.1613
178	0.0293	229	-0.2697	280	0.2003
179	0.0553	230	-0.1247	281	0.2113
180	-0.3037	231	-0.0987	282	0.2193
181	0.4963	232	-0.0387	283	0.2193
182	0.6293	233	0.1553	284	0.2593
183	0.5273	234	0.3073	285	0.2663
184	0.7033	235	0.1733	286	0.0083
185	0.8213	236	0.1073	287	0.0203
186	0.9773	237	0.1913	288	0.3533
187	1.0983	238	0.2713	289	0.3873
188	1.2443	239	0.4533	290	0.4363
189	1.3303	240	0.4173	291	-0.4327
190	-0.3197	241	-0.4747	292	0.1043
191	-0.3197	242	-0.3747	325	0.0613
192	-0.3247	244	-0.1507	326	0.0623
193	-0.3277	245	0.0023	327	0.0643
194	-0.3307	246	0.0773	328	0.0593
195	-0.3037	247	0.1983	329	0.0633
196	-0.3047	248	0.3053	330	0.0633
197	-0.3067	249	0.3133	331	0.0623
198	-0.2927	250	0.0683	332	0.0653
199	-0.2907	251	-0.2757	333	0.0603
200	-0.2867	252	0.2223	334	0.0643
201	-0.2747	253	0.4243	335	0.0623
202	-0.2827	254	0.4003	336	0.0613
203	-0.2777	255	-0.3427	337	0.0613
204	-0.2747	256	-0.1827	338	0.0633
205	0.2303	257	-0.0717	339	0.0643
206	0.2543	258	0.0543	340	0.0583
207	0.2713	259	0.1363	341	0.0623
208	0.2783	260	0.1703	350	-0.0727
210	0.4053	261	0.2293	351	0.0243
211	0.5643	262	0.2953	352	0.0533
212	0.4913	263	0.1583	353	0.0613
213	-0.3457	264	0.1963	354	0.0623
214	-0.2597	265	0.4133	355	0.0693
215	-0.2027	266	0.4383		
216	-0.1577	267	0.1173		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 208
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 20.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.355
TUNNEL DYNAMIC PRESSURE(PSF) = 824.
TUNNEL STAGNATION PRESSURE(PSF) = 1916.
TUNNEL STATIC PRESSURE(PSF) = 641.
REYNOLDS NUMBER PER FOOT = 3.9610E 06
MODEL ANGLE OF ATTACK(DEG) = -3.98
FIN ANGLE(DEG) = 0.07
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.2301
247	1.2281
347	1.2281
447	1.2291
547	1.2291
647	1.2291
747	1.2291

ORF	CP	ORF	CP	ORF	CP
1	0.2921	52	0.2421	102	0.0151
2	0.0911	53	0.1091	103	-0.2929
3	0.0871	54	-0.0419	104	-0.3189
4	0.1291	55	0.3271	105	-0.1969
5	0.1451	56	0.2831	110	-0.1239
6	0.1501	57	0.2741	111	-0.1179
7	0.1631	58	0.2631	112	-0.0959
8	0.1721	59	0.2671	113	-0.1499
9	0.1801	60	0.2751	114	-0.2009
10	0.1921	61	0.2751	115	-0.1559
11	0.1971	62	0.2791	116	-0.0939
12	0.2041	63	0.2611	117	-0.0629
13	0.1941	64	-0.0209	118	-0.0629
14	0.1111	65	-0.0249	119	-0.0739
15	0.0591	66	0.3511	120	0.0361
16	0.1951	67	0.3101	121	-0.0789
17	0.1721	68	0.2941	122	-0.0819
18	0.1701	69	0.2931	123	-0.1719
19	0.1731	70	0.3021	124	-0.1259
20	0.1701	71	0.3031	125	-0.0989
21	0.1721	72	0.3001	126	-0.0799
22	0.1861	73	0.2721	127	-0.0919
23	0.1931	74	-0.0179	128	-0.2139
24	0.2061	75	0.3761	129	-0.1479
25	0.2111	76	0.3451	135	-0.0749
26	0.2141	77	0.3271	136	-0.0859
27	0.2031	78	0.3211	137	-0.0829
28	0.1241	79	0.3181	138	0.0161
29	0.0221	80	0.2971	139	0.0161
30	0.2381	81	0.2101	140	0.0161
32	0.2091	82	-0.0599	141	0.0421
33	0.2091	83	0.3551	142	0.0431
34	0.2031	84	0.3611	143	0.0421
35	0.2071	85	0.3361	145	-0.0829
36	0.2151	86	0.2921	147	0.0421
37	0.2231	87	0.2301	151	0.2131
38	0.2301	88	0.1661	152	0.0451
39	0.2311	89	-0.1029	153	-0.0699
40	0.2191	90	0.3991	154	-0.2239
41	0.1651	91	0.2331	155	0.2761
42	-0.0269	92	0.1711	156	0.2911
43	0.2951	93	0.1391	157	0.1651
44	0.2571	94	0.1051	158	0.5251
45	0.2421	95	-0.1409	159	0.4321
46	0.2411	96	-0.1799	160	0.4171
47	0.2421	97	-0.0979	161	0.3361
48	0.2471	98	-0.0569	162	0.4831
49	0.2541	99	-0.0159	163	0.4371
50	0.2581	100	0.0411	164	0.0161
51	0.2511	101	-0.0179	165	0.2421

ORF	CP	ORF	CP	ORF	CP
166	0.4401	217	-0.0439	268	0.1021
167	0.4141	218	-0.0129	269	0.3351
168	0.3691	219	0.1051	270	0.4081
169	0.2451	220	0.2251	271	0.0081
170	0.4171	221	-0.2259	272	0.0191
171	0.3611	222	-0.0809	273	0.3431
172	0.1981	223	0.2321	274	0.4031
173	0.3021	224	0.2631	275	0.3111
174	0.2261	225	0.4171	276	0.4031
175	0.0691	226	0.3501	277	0.3321
176	-0.1499	227	-0.4539	278	-0.1779
177	0.0511	228	-0.3549	279	-0.1049
178	-0.0199	229	-0.2329	280	-0.0059
179	0.0271	230	-0.0989	281	0.0941
180	-0.2929	231	-0.0659	282	0.1441
181	0.3371	232	0.0031	283	0.1511
182	0.4781	233	0.1311	284	0.1911
183	0.5411	234	0.2411	285	0.1951
184	0.7331	235	0.1061	286	-0.0039
185	0.8251	236	0.0471	287	-0.0099
186	0.9141	237	0.1331	288	0.3101
187	1.0311	238	0.2141	289	0.3561
188	1.1481	239	0.4161	290	0.3581
189	1.2291	240	0.3621	291	-0.2929
190	-0.3129	241	-0.4969	292	0.1441
191	-0.3189	242	-0.4119	325	0.0671
192	-0.3189	244	-0.1119	326	0.0731
193	-0.3219	245	0.0201	327	0.0711
194	-0.3239	246	0.0781	328	0.0671
195	-0.3039	247	0.1581	329	0.0641
196	-0.2989	248	0.2351	330	0.0671
197	-0.2979	249	0.2451	331	0.0721
198	-0.2859	250	0.0711	332	0.0691
199	-0.2869	251	-0.2739	333	0.0671
200	-0.2849	252	0.1691	334	0.0651
201	-0.2709	253	0.3481	335	0.0681
202	-0.2769	254	0.2841	336	0.0711
203	-0.2759	255	-0.2669	337	0.0671
204	-0.2709	256	-0.1499	338	0.0731
205	0.2641	257	-0.0659	339	0.0701
206	0.3041	258	0.0201	340	0.0671
207	0.3051	259	0.0851	341	0.0651
208	0.2921	260	0.1141	350	-0.0759
210	0.3651	261	0.1661	351	0.0351
211	0.5131	262	0.2091	352	0.0621
212	0.4471	263	0.1151	353	0.0761
213	-0.3389	264	0.1571	354	0.0751
214	-0.2479	265	0.3311	355	0.0711
215	-0.1759	266	0.3691		
216	-0.1309	267	0.0791		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 209
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 20.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.354
TUNNEL DYNAMIC PRESSURE(PSF) = 824.
TUNNEL STAGNATION PRESSURE(PSF) = 1917.
TUNNEL STATIC PRESSURE(PSF) = 642.
REYNOLDS NUMBER PER FOOT = 3.9630E 06
MODEL ANGLE OF ATTACK(DEG) = -1.90
FIN ANGLE(DEG) = 0.07
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.2269
247	1.2259
347	1.2269
447	1.2269
547	1.2279
647	1.2279
747	1.2279

ORF	CP	ORF	CP	ORF	CP
1	0.3139	52	0.1989	102	0.0129
2	0.0089	53	0.0629	103	-0.3071
3	-0.2391	54	-0.0791	104	-0.3081
4	-0.1261	55	0.1699	105	-0.1831
5	0.0619	56	0.1789	110	-0.1181
6	0.1149	57	0.2299	111	-0.1111
7	0.1319	58	0.2249	112	-0.0941
8	0.1409	59	0.2249	113	-0.1421
9	0.1499	60	0.2339	114	-0.1991
10	0.1599	61	0.2339	115	-0.1581
11	0.1709	62	0.2239	116	-0.1001
12	0.1769	63	0.2099	117	-0.0681
13	0.1749	64	-0.0511	118	-0.0691
14	0.0849	65	-0.0591	119	-0.0831
15	0.0259	66	0.2369	120	0.0489
16	0.0869	67	0.2389	121	-0.0831
17	-0.0611	68	0.2439	122	-0.1091
18	-0.1401	69	0.2409	123	-0.1831
19	0.0719	70	0.2439	124	-0.1171
20	0.1379	71	0.2409	125	-0.0911
21	0.1489	72	0.2379	126	-0.0721
22	0.1599	73	0.2149	127	-0.0841
23	0.1649	74	-0.0541	128	-0.2111
24	0.1749	75	0.2829	129	-0.1491
25	0.1829	76	0.2569	135	-0.0671
26	0.1879	77	0.2569	136	-0.0771
27	0.1829	78	0.2559	137	-0.0751
28	0.1019	79	0.2559	138	0.0199
29	-0.0141	80	0.2439	139	0.0199
30	0.0609	81	0.1749	140	0.0159
32	0.0229	82	-0.0811	141	0.0429
33	0.1589	83	0.2709	142	0.0419
34	0.1709	84	0.2769	143	0.0449
35	0.1759	85	0.2699	145	-0.0761
36	0.1819	86	0.2409	147	0.0419
37	0.1849	87	0.1889	151	0.1739
38	0.1929	88	0.1429	152	-0.0131
39	0.1929	89	-0.1091	153	-0.1021
40	0.1899	90	0.3049	154	-0.2661
41	0.1289	91	0.1729	155	0.1979
42	-0.0621	92	0.1409	156	0.2819
43	0.1109	93	0.1329	157	0.1419
44	0.1019	94	0.1099	158	0.5169
45	0.1859	95	-0.1351	159	0.4139
46	0.2029	96	-0.2071	160	0.3939
47	0.2049	97	-0.0421	161	0.3139
48	0.2019	98	-0.0321	162	0.4829
49	0.2069	99	0.0089	163	0.4499
50	0.2119	100	0.1439	164	0.0199
51	0.2069	101	-0.0031	165	0.2609

ORF	CP	ORF	CP	ORF	CP
166	0.5409	217	-0.0031	268	0.0709
167	0.4839	218	0.0239	269	0.3209
168	0.4429	219	0.1169	270	0.3829
169	0.3279	220	0.1879	271	0.0019
170	0.2829	221	-0.2601	272	-0.0111
171	0.4899	222	-0.1191	273	0.2789
172	0.2989	223	0.1889	274	0.3359
173	0.2819	224	0.2039	275	0.3649
174	0.2519	225	0.3869	276	0.4749
175	0.0949	226	0.3269	277	0.3919
176	-0.1311	227	-0.4561	278	-0.4301
177	0.0019	228	-0.3691	279	-0.3871
178	-0.0881	229	-0.2341	280	-0.3191
179	-0.0861	230	-0.0881	281	-0.2221
180	-0.2971	231	-0.0051	282	0.0329
181	0.3639	232	0.0519	283	0.1139
182	0.5189	233	0.1209	284	0.1629
183	0.6299	234	0.1949	285	0.1799
184	0.8999	235	0.0629	286	-0.0051
185	1.0019	236	-0.0131	287	-0.0381
186	1.1119	237	0.0799	288	0.2049
187	1.2079	238	0.1689	289	0.3569
188	1.3099	239	0.3749	290	0.3409
189	1.3519	240	0.3039	291	-0.2581
190	-0.3081	241	-0.4451	292	0.1729
191	-0.3211	242	-0.3751	325	0.0799
192	-0.3201	244	-0.0711	326	0.0799
193	-0.3241	245	0.0109	327	0.0769
194	-0.3021	246	0.0569	328	0.0809
195	-0.3041	247	0.1249	329	0.0819
196	-0.3001	248	0.1849	330	0.0819
197	-0.2911	249	0.1889	331	0.0799
198	-0.2871	250	0.0799	332	0.0779
199	-0.2871	251	-0.2781	333	0.0819
200	-0.2871	252	0.1359	334	0.0819
201	-0.2751	253	0.3589	335	0.0819
202	-0.2761	254	0.2829	336	0.0749
203	-0.2741	255	-0.5171	337	0.0799
204	-0.2691	256	-0.4721	338	0.0809
205	0.2879	257	-0.3871	339	0.0769
206	0.3419	258	-0.1201	340	0.0809
207	0.3379	259	0.0419	341	0.0819
208	0.3039	260	0.0829	350	-0.0751
210	0.3279	261	0.1359	351	0.0449
211	0.4669	262	0.1959	352	0.0739
212	0.4039	263	0.0769	353	0.0799
213	-0.3261	264	0.1289	354	0.0789
214	-0.2071	265	0.3339	355	0.0849
215	-0.1591	266	0.3649		
216	-0.0911	267	0.0529		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 210
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 20.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.354
TUNNEL DYNAMIC PRESSURE(PSF) = 824.
TUNNEL STAGNATION PRESSURE(PSF) = 1916.
TUNNEL STATIC PRESSURE(PSF) = 642.
REYNOLDS NUMBER PER FOOT = 3.9590E 06
MODEL ANGLE OF ATTACK(DEG) = -0.93
FIN ANGLE(DEG) = 0.08
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.2279
247	1.2269
347	1.2279
447	1.2289
547	1.2279
647	1.2279
747	1.2279

ORF	CP	ORF	CP	ORF	CP
1	0.3629	52	0.2059	102	0.0219
2	0.0299	53	0.0679	103	-0.2891
3	-0.2791	54	-0.0711	104	-0.2831
4	-0.2581	55	0.0909	105	-0.1651
5	-0.1571	56	0.0529	110	-0.1121
6	0.0379	57	0.1099	111	-0.1091
7	0.1109	58	0.2039	112	-0.0951
8	0.1309	59	0.2169	113	-0.1381
9	0.1449	60	0.2269	114	-0.1971
10	0.1579	61	0.2269	115	-0.1591
11	0.1739	62	0.2299	116	-0.1011
12	0.1819	63	0.2139	117	-0.0711
13	0.1889	64	-0.0481	118	-0.0711
14	0.1059	65	-0.0581	119	-0.0801
15	0.0339	66	0.1169	120	0.0599
16	0.1059	67	0.1489	121	-0.0701
17	-0.0691	68	0.2149	122	-0.1461
18	-0.1901	69	0.2409	123	-0.1911
19	-0.2001	70	0.2439	124	-0.1141
20	0.0129	71	0.2399	125	-0.0901
21	0.1319	72	0.2359	126	-0.0691
22	0.1569	73	0.2069	127	-0.0841
23	0.1679	74	-0.0541	128	-0.2111
24	0.1739	75	0.1809	129	-0.1491
25	0.1849	76	0.2379	135	-0.0671
26	0.1929	77	0.2459	136	-0.0741
27	0.1979	78	0.2549	137	-0.0731
28	0.1189	79	0.2519	138	0.0189
29	-0.0111	80	0.2459	139	0.0209
30	0.0529	81	0.1519	140	0.0209
32	-0.1081	82	-0.0831	141	0.0409
33	-0.0471	83	0.2269	142	0.0389
34	0.1119	84	0.2599	143	0.0399
35	0.1719	85	0.2599	145	-0.0751
36	0.1819	86	0.2389	147	0.0399
37	0.1889	87	0.1899	151	0.1839
38	0.1989	88	0.1499	152	-0.0191
39	0.2059	89	-0.1031	153	-0.0981
40	0.2019	90	0.2719	154	-0.2601
41	0.1499	91	0.1729	155	0.1129
42	-0.0611	92	0.1679	156	0.2989
43	0.0599	93	0.1479	157	0.1569
44	-0.0021	94	0.1199	158	0.5469
45	-0.0271	95	-0.1261	159	0.4309
46	0.0999	96	-0.2181	160	0.4189
47	0.1929	97	-0.0191	161	0.3519
48	0.2039	98	-0.0311	162	0.5029
49	0.2079	99	0.0219	163	0.5119
50	0.2119	100	0.1759	164	0.0199
51	0.2189	101	0.0019	165	0.3089

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 210
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 20.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.354
TUNNEL DYNAMIC PRESSURE(PSF) = 824.
TUNNEL STAGNATION PRESSURE(PSF) = 1916.
TUNNEL STATIC PRESSURE(PSF) = 642.
REYNOLDS NUMBER PER FOOT = 3.9590E 06
MODEL ANGLE OF ATTACK(DEG) = -0.93
FIN ANGLE(DEG) = 0.08
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.2279
247	1.2269
347	1.2279
447	1.2289
547	1.2279
647	1.2279
747	1.2279

ORF	CP	ORF	CP	ORF	CP
1	0.3629	52	0.2059	102	0.0219
2	0.0299	53	0.0679	103	-0.2891
3	-0.2791	54	-0.0711	104	-0.2831
4	-0.2581	55	0.0909	105	-0.1651
5	-0.1571	56	0.0529	110	-0.1121
6	0.0379	57	0.1099	111	-0.1091
7	0.1109	58	0.2039	112	-0.0951
8	0.1309	59	0.2169	113	-0.1381
9	0.1449	60	0.2269	114	-0.1971
10	0.1579	61	0.2269	115	-0.1591
11	0.1739	62	0.2299	116	-0.1011
12	0.1819	63	0.2139	117	-0.0711
13	0.1889	64	-0.0481	118	-0.0711
14	0.1059	65	-0.0581	119	-0.0801
15	0.0339	66	0.1169	120	0.0599
16	0.1059	67	0.1489	121	-0.0701
17	-0.0691	68	0.2149	122	-0.1461
18	-0.1901	69	0.2409	123	-0.1911
19	-0.2001	70	0.2439	124	-0.1141
20	0.0129	71	0.2399	125	-0.0901
21	0.1319	72	0.2359	126	-0.0691
22	0.1569	73	0.2069	127	-0.0841
23	0.1679	74	-0.0541	128	-0.2111
24	0.1739	75	0.1809	129	-0.1491
25	0.1849	76	0.2379	135	-0.0671
26	0.1929	77	0.2459	136	-0.0741
27	0.1979	78	0.2549	137	-0.0731
28	0.1189	79	0.2519	138	0.0189
29	-0.0111	80	0.2459	139	0.0209
30	0.0529	81	0.1519	140	0.0209
32	-0.1081	82	-0.0831	141	0.0409
33	-0.0471	83	0.2269	142	0.0389
34	0.1119	84	0.2599	143	0.0399
35	0.1719	85	0.2599	145	-0.0751
36	0.1819	86	0.2389	147	0.0399
37	0.1889	87	0.1899	151	0.1839
38	0.1989	88	0.1499	152	-0.0191
39	0.2059	89	-0.1031	153	-0.0981
40	0.2019	90	0.2719	154	-0.2601
41	0.1499	91	0.1729	155	0.1129
42	-0.0611	92	0.1679	156	0.2989
43	0.0599	93	0.1479	157	0.1569
44	-0.0021	94	0.1199	158	0.5469
45	-0.0271	95	-0.1261	159	0.4309
46	0.0999	96	-0.2181	160	0.4189
47	0.1929	97	-0.0191	161	0.3519
48	0.2039	98	-0.0311	162	0.5029
49	0.2079	99	0.0219	163	0.5119
50	0.2119	100	0.1759	164	0.0199
51	0.2189	101	0.0019	165	0.3089

ORF	CP	ORF	CP	ORF	CP
166	0.6019	217	-0.0011	268	0.0709
167	0.5399	218	0.0459	269	0.3329
168	0.5019	219	0.1169	270	0.3959
169	0.4069	220	0.1729	271	0.0119
170	0.2379	221	-0.2701	272	-0.0201
171	0.5409	222	-0.1281	273	0.2399
172	0.3299	223	0.1719	274	0.2979
173	0.2609	224	0.1869	275	0.3809
174	0.2239	225	0.3699	276	0.5239
175	0.0609	226	0.3129	277	0.4399
176	-0.1661	227	-0.4541	278	-0.4331
177	-0.0051	228	-0.3701	279	-0.3851
178	-0.0931	229	-0.2421	280	-0.3141
179	-0.1181	230	-0.0961	281	-0.2761
180	-0.2941	231	0.0069	282	-0.1571
181	0.4399	232	0.0449	283	0.0689
182	0.5949	233	0.1089	284	0.1559
183	0.6869	234	0.1809	285	0.1889
184	0.9639	235	0.0499	286	0.0109
185	1.0489	236	-0.0291	287	-0.0351
186	1.1129	237	0.0739	288	0.1599
187	1.2419	238	0.1509	289	0.3399
188	1.3119	239	0.3549	290	0.3519
189	1.3699	240	0.2929	291	-0.2661
190	-0.3061	241	-0.3911	292	0.1999
191	-0.3201	242	-0.3181	325	0.0919
192	-0.3181	244	-0.0641	326	0.0909
193	-0.3211	245	0.0089	327	0.0939
194	-0.2941	246	0.0439	328	0.0969
195	-0.3031	247	0.1149	329	0.0979
196	-0.3051	248	0.1769	330	0.0939
197	-0.2911	249	0.1799	331	0.0919
198	-0.2891	250	0.0929	332	0.0949
199	-0.2881	251	-0.2791	333	0.0999
200	-0.2881	252	0.1399	334	0.0989
201	-0.2791	253	0.3639	335	0.0949
202	-0.2761	254	0.2929	336	0.0949
203	-0.2731	255	-0.5431	337	0.0929
204	-0.2721	256	-0.4971	338	0.0919
205	0.2889	257	-0.4381	339	0.0949
206	0.3509	258	-0.2441	340	0.0969
207	0.3419	259	-0.0001	341	0.0969
208	0.3219	260	0.0599	350	-0.0801
210	0.3149	261	0.1329	351	0.0589
211	0.4409	262	0.2079	352	0.0869
212	0.3769	263	0.0669	353	0.0949
213	-0.3261	264	0.1209	354	0.0949
214	-0.2281	265	0.3559	355	0.0989
215	-0.1711	266	0.3759		
216	-0.0791	267	0.0369		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 211
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 20.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.349
TUNNEL DYNAMIC PRESSURE(PSF) = 823.
TUNNEL STAGNATION PRESSURE(PSF) = 1916.
TUNNEL STATIC PRESSURE(PSF) = 646.
REYNOLDS NUMBER PER FOOT = 3.9640E 06
MODEL ANGLE OF ATTACK(DEG) = 0.10
FIN ANGLE(DEG) = 0.08
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.2241
247	1.2231
347	1.2241
447	1.2241
547	1.2221
647	1.2221
747	1.2231

ORF	CP	ORF	CP	ORF	CP
1	0.4191	52	0.2201	102	0.0151
2	0.0611	53	0.0641	103	-0.2859
3	-0.2619	54	-0.0519	104	-0.2729
4	-0.2739	55	0.0631	105	-0.1479
5	-0.2449	56	0.0061	110	-0.1069
6	-0.1829	57	-0.0319	111	-0.1099
7	-0.0749	58	-0.0199	112	-0.0979
8	0.0251	59	0.0851	113	-0.1419
9	0.0971	60	0.2031	114	-0.2069
10	0.1311	61	0.2261	115	-0.1669
11	0.1591	62	0.2421	116	-0.1059
12	0.1791	63	0.2221	117	-0.0789
13	0.1991	64	-0.0399	118	-0.0759
14	0.1281	65	-0.0439	119	-0.0819
15	0.0511	66	0.0651	120	0.0531
16	0.1351	67	0.0301	121	-0.0649
17	-0.0639	68	0.0081	122	-0.1529
18	-0.2019	69	0.1011	123	-0.1919
19	-0.2519	70	0.2171	124	-0.1189
20	-0.2079	71	0.2501	125	-0.0969
21	-0.1089	72	0.2541	126	-0.0729
22	0.0751	73	0.1991	127	-0.0859
23	0.1361	74	-0.0449	128	-0.2169
24	0.1621	75	0.0891	129	-0.1559
25	0.1831	76	0.0651	135	-0.0699
26	0.2041	77	0.0851	136	-0.0759
27	0.2221	78	0.2291	137	-0.0779
28	0.1481	79	0.2641	138	0.0111
29	0.0081	80	0.2471	139	0.0141
30	0.0571	81	0.1561	140	0.0131
32	-0.1419	82	-0.0699	141	0.0331
33	-0.1899	83	0.1051	142	0.0321
34	-0.1939	84	0.0921	143	0.0331
35	-0.0199	85	0.1981	145	-0.0779
36	0.1211	86	0.2501	147	0.0311
37	0.1751	87	0.2141	151	0.1991
38	0.1961	88	0.1631	152	-0.0239
39	0.2151	89	-0.0889	153	-0.0929
40	0.2261	90	0.1181	154	-0.2319
41	0.1721	91	0.1061	155	0.0701
42	-0.0319	92	0.1961	156	0.3091
43	0.0381	93	0.1841	157	0.1901
44	-0.0269	94	0.1481	158	0.5801
45	-0.0809	95	-0.1059	159	0.4411
46	-0.1149	96	-0.2769	160	0.4371
47	-0.0709	97	-0.0589	161	0.3811
48	0.1211	98	-0.0219	162	0.5111
49	0.1811	99	0.1591	163	0.5391
50	0.2131	100	0.1321	164	0.0151
51	0.2251	101	-0.0189	165	0.3171

ORF	CP	ORF	CP	ORF	CP
166	0.6431	217	0.0211	268	0.0561
167	0.5171	218	0.0531	269	0.3281
168	0.5101	219	0.0961	270	0.4091
169	0.4061	220	0.1361	271	-0.0169
170	0.2111	221	-0.2689	272	-0.0419
171	0.4481	222	-0.1549	273	0.2151
172	0.2631	223	0.1451	274	0.2431
173	0.2201	224	0.1591	275	0.3911
174	0.1221	225	0.3491	276	0.5811
175	-0.0379	226	0.2881	277	0.4831
176	-0.2059	227	-0.4439	278	-0.4229
177	-0.0259	228	-0.3339	279	-0.3729
178	-0.0629	229	-0.2329	280	-0.3119
179	-0.0829	230	-0.0769	281	-0.2729
180	-0.2989	231	0.0181	282	-0.2369
181	0.5441	232	0.0411	283	-0.1469
182	0.6821	233	0.0861	284	0.1141
183	0.6481	234	0.1451	285	0.1901
184	0.9001	235	0.0181	286	-0.0099
185	0.9241	236	-0.0579	287	-0.0469
186	0.9171	237	0.0561	288	0.1081
187	0.9541	238	0.1311	289	0.3321
188	1.0111	239	0.3431	290	0.3681
189	1.0631	240	0.2651	291	-0.2939
190	-0.2959	241	-0.3569	292	0.1991
191	-0.3219	242	-0.3119	325	0.0931
192	-0.3149	244	-0.0679	326	0.0951
193	-0.3119	245	-0.0089	327	0.0941
194	-0.2919	246	0.0081	328	0.0891
195	-0.3089	247	0.0751	329	0.0961
196	-0.3099	248	0.1511	330	0.0931
197	-0.2969	249	0.1561	331	0.0961
198	-0.2959	250	0.0941	332	0.0941
199	-0.2969	251	-0.2869	333	0.0911
200	-0.2919	252	0.1501	334	0.0961
201	-0.2859	253	0.3951	335	0.0941
202	-0.2799	254	0.3351	336	0.0961
203	-0.2779	255	-0.5389	337	0.0941
204	-0.2779	256	-0.4839	338	0.0941
205	0.2901	257	-0.4329	339	0.0941
206	0.3311	258	-0.2909	340	0.0901
207	0.3401	259	-0.0749	341	0.0961
208	0.3331	260	-0.0119	350	-0.0829
210	0.3101	261	0.0951	351	0.0501
211	0.4231	262	0.2171	352	0.0841
212	0.3431	263	0.0281	353	0.0921
213	-0.3299	264	0.1231	354	0.0941
214	-0.2279	265	0.3631	355	0.0961
215	-0.1699	266	0.3811		
216	-0.0739	267	-0.0159		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 212
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 20.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.355
TUNNEL DYNAMIC PRESSURE(PSF) = 824.
TUNNEL STAGNATION PRESSURE(PSF) = 1916.
TUNNEL STATIC PRESSURE(PSF) = 641.
REYNOLDS NUMBER PER FOOT = 3.9580E 06
MODEL ANGLE OF ATTACK(DEG) = 1.06
FIN ANGLE(DEG) = 0.09
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.2291
247	1.2291
347	1.2301
447	1.2301
547	1.2291
647	1.2291
747	1.2291

ORF	CP	ORF	CP	ORF	CP
1	0.4021	52	0.2221	102	0.0041
2	0.0501	53	0.0641	103	-0.2899
3	-0.2269	54	-0.0359	104	-0.2829
4	-0.2119	55	0.0471	105	-0.1599
5	-0.1969	56	-0.0059	110	-0.0899
6	-0.1809	57	-0.0479	111	-0.0999
7	-0.1249	58	-0.0729	112	-0.0929
8	-0.0599	59	-0.0399	113	-0.1309
9	0.0191	60	0.1161	114	-0.1939
10	0.0741	61	0.2131	115	-0.1579
11	0.1271	62	0.2321	116	-0.0979
12	0.1541	63	0.2181	117	-0.0709
13	0.1811	64	-0.0299	118	-0.0719
14	0.1151	65	-0.0379	119	-0.0799
15	0.0421	66	0.0521	120	0.0521
16	0.1331	67	0.0141	121	-0.0669
17	-0.0539	68	-0.0129	122	-0.0679
18	-0.1699	69	-0.0139	123	-0.1649
19	-0.1959	70	0.0921	124	-0.1149
20	-0.1799	71	0.1931	125	-0.0909
21	-0.1559	72	0.2351	126	-0.0669
22	-0.0669	73	0.1921	127	-0.0819
23	0.0421	74	-0.0529	128	-0.2109
24	0.1021	75	0.0791	129	-0.1489
25	0.1431	76	0.0411	135	-0.0649
26	0.1841	77	0.0081	136	-0.0689
27	0.1961	78	0.0571	137	-0.0709
28	0.1341	79	0.1991	138	0.0201
29	0.0151	80	0.2251	139	0.0201
30	0.0551	81	0.1711	140	0.0211
32	-0.1269	82	-0.0359	141	0.0381
33	-0.1639	83	0.0881	142	0.0391
34	-0.1539	84	0.0421	143	0.0401
35	-0.1089	85	0.0471	145	-0.0709
36	0.0031	86	0.1441	147	0.0391
37	0.1081	87	0.2421	151	0.2451
38	0.1551	88	0.1751	152	0.0031
39	0.1951	89	-0.0389	153	-0.0899
40	0.2061	90	0.0911	154	-0.2069
41	0.1551	91	0.0401	155	0.1151
42	-0.0039	92	0.1231	156	0.3201
43	0.0331	93	0.2221	157	0.2221
44	-0.0319	94	0.1931	158	0.5501
45	-0.0809	95	-0.0739	159	0.4661
46	-0.1179	96	-0.2999	160	0.4231
47	-0.1259	97	-0.1089	161	0.3631
48	-0.0539	98	0.1651	162	0.4521
49	0.1281	99	0.2141	163	0.4701
50	0.1801	100	0.0941	164	0.0201
51	0.2091	101	-0.0209	165	0.2591

ORF	CP	ORF	CP	ORF	CP
166	0.5791	217	0.0351	268	0.0561
167	0.4401	218	0.0631	269	0.3141
168	0.4171	219	0.0851	270	0.3881
169	0.3151	220	0.1171	271	-0.0069
170	0.3281	221	-0.2599	272	-0.0229
171	0.3311	222	-0.1649	273	0.2311
172	0.1761	223	0.1401	274	0.2581
173	0.1931	224	0.1511	275	0.3721
174	0.0891	225	0.3431	276	0.5701
175	-0.0999	226	0.2691	277	0.4771
176	-0.2049	227	-0.4259	278	-0.4159
177	0.0331	228	-0.3349	279	-0.3549
178	-0.0009	229	-0.2129	280	-0.2999
179	-0.0209	230	-0.0679	281	-0.2319
180	-0.2899	231	0.0271	282	-0.1899
181	0.5211	232	0.0461	283	-0.1579
182	0.6681	233	0.0811	284	0.0511
183	0.5681	234	0.1271	285	0.1821
184	0.7361	235	0.0061	286	-0.0089
185	0.7491	236	-0.0519	287	-0.0519
186	0.7321	237	0.0631	288	0.1461
187	0.7441	238	0.1241	289	0.3241
188	0.7831	239	0.3251	290	0.3591
189	0.8371	240	0.2571	291	-0.2839
190	-0.2909	241	-0.4089	292	0.1931
191	-0.3149	242	-0.3279	325	0.0891
192	-0.2989	244	-0.0729	326	0.0881
193	-0.2989	245	-0.0349	327	0.0901
194	-0.2889	246	-0.0149	328	0.0901
195	-0.3009	247	0.0621	329	0.0881
196	-0.2999	248	0.1431	330	0.0911
197	-0.2889	249	0.1521	331	0.0881
198	-0.2879	250	0.0891	332	0.0911
199	-0.2939	251	-0.2779	333	0.0911
200	-0.2829	252	0.1471	334	0.0891
201	-0.2769	253	0.4301	335	0.0911
202	-0.2749	254	0.3821	336	0.0901
203	-0.2709	255	-0.5079	337	0.0901
204	-0.2709	256	-0.4429	338	0.0881
205	0.2801	257	-0.3769	339	0.0891
206	0.3161	258	-0.2899	340	0.0911
207	0.3221	259	-0.1569	341	0.0881
208	0.3211	260	-0.0429	350	-0.0779
210	0.3021	261	0.0511	351	0.0491
211	0.3981	262	0.2141	352	0.0801
212	0.3361	263	-0.0129	353	0.0861
213	-0.3309	264	0.1131	354	0.0901
214	-0.2409	265	0.3501	355	0.0901
215	-0.1429	266	0.3691		
216	-0.0609	267	-0.0079		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 213
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 20.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.358
TUNNEL DYNAMIC PRESSURE(PSF) = 824.
TUNNEL STAGNATION PRESSURE(PSF) = 1916.
TUNNEL STATIC PRESSURE(PSF) = 638.
REYNOLDS NUMBER PER FOOT = 3.9600E 06
MODEL ANGLE OF ATTACK(DEG) = 1.98
FIN ANGLE(DEG) = 0.15
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALUE	CP(REF)
147	1.2327
247	1.2317
347	1.2317
447	1.2327
547	1.2347
647	1.2337
747	1.2337

ORF	CP	URF	CP	ORF	CP
1	0.3497	52	0.1507	102	0.0087
2	0.0087	53	0.0077	103	-0.3103
3	-0.2233	54	-0.0593	104	-0.3173
4	-0.1773	55	0.0327	105	-0.2023
5	-0.1403	56	-0.0203	110	-0.0753
6	-0.1253	57	-0.0493	111	-0.0883
7	-0.1063	58	-0.0763	112	-0.0843
8	-0.0913	59	-0.0543	113	-0.1213
9	-0.0183	60	0.0327	114	-0.1923
10	0.0447	61	0.1207	115	-0.1543
11	0.0947	62	0.1657	116	-0.0893
12	0.1287	63	0.1677	117	-0.0653
13	0.1497	64	-0.0403	118	-0.0643
14	0.0807	65	-0.0443	119	-0.0703
15	0.0137	66	0.0317	120	0.0597
16	0.0977	67	-0.0063	121	-0.0623
17	-0.0603	68	-0.0243	122	-0.1233
18	-0.1403	69	-0.0353	123	-0.1743
19	-0.1433	70	0.0467	124	-0.1083
20	-0.1263	71	0.1567	125	-0.0863
21	-0.1183	72	0.2327	126	-0.0623
22	-0.0793	73	0.1807	127	-0.0743
23	-0.0083	74	-0.0433	128	-0.2033
24	0.0687	75	0.0777	129	-0.1423
25	0.1087	76	0.0347	135	-0.0603
26	0.1417	77	0.0087	136	-0.0653
27	0.1517	78	0.0337	137	-0.0663
28	0.0807	79	0.1797	138	0.0267
29	-0.0083	80	0.2207	139	0.0297
30	0.0397	81	0.1577	140	0.0247
32	-0.1093	82	-0.0383	141	0.0477
33	-0.1233	83	0.0767	142	0.0467
34	-0.1073	84	0.0327	143	0.0477
35	-0.0903	85	0.0197	145	-0.0673
36	-0.0123	86	0.0437	147	0.0487
37	0.0677	87	0.1637	151	0.2557
38	0.1157	88	0.1727	152	0.0107
39	0.1437	89	-0.0433	153	-0.0943
40	0.1567	90	0.0747	154	-0.2023
41	0.1087	91	0.0567	155	0.1367
42	-0.0153	92	0.0317	156	0.2757
43	0.0147	93	0.1467	157	0.2027
44	-0.0443	94	0.1647	158	0.4907
45	-0.0813	95	-0.0713	159	0.4177
46	-0.0993	96	-0.2823	160	0.3647
47	-0.0923	97	-0.1373	161	0.2947
48	-0.0413	98	0.1847	162	0.4067
49	0.0477	99	0.1997	163	0.3827
50	0.1197	100	0.0807	164	0.0277
51	0.1507	101	-0.0103	165	0.1907

ORF	CP	ORF	CP	ORF	CP
166	0.5117	217	0.0537	268	0.0597
167	0.3737	218	0.0677	269	0.3067
168	0.3417	219	0.0797	270	0.3597
169	0.2357	220	0.1197	271	0.0097
170	0.3837	221	-0.2453	272	-0.0053
171	0.2737	222	-0.1263	273	0.2597
172	0.1227	223	0.1467	274	0.3017
173	0.1877	224	0.1397	275	0.3607
174	0.0967	225	0.3427	276	0.5307
175	-0.0883	226	0.2617	277	0.4317
176	-0.1953	227	-0.3843	278	-0.4293
177	0.0387	228	-0.2993	279	-0.3773
178	0.0217	229	-0.2103	280	-0.2953
179	0.0107	230	-0.0413	281	-0.2163
180	-0.2803	231	0.0317	282	-0.1353
181	0.4687	232	0.0447	283	-0.1193
182	0.6007	233	0.0797	284	0.0337
183	0.4967	234	0.1227	285	0.1547
184	0.6167	235	0.0107	286	0.0047
185	0.6297	236	-0.0473	287	-0.0423
186	0.6167	237	0.0567	288	0.2037
187	0.6187	238	0.1117	289	0.3237
188	0.6427	239	0.3307	290	0.3417
189	0.6717	240	0.2707	291	-0.2873
190	-0.2863	241	-0.4633	292	0.1917
191	-0.3093	242	-0.3703	325	0.0937
192	-0.2963	244	-0.1053	326	0.0937
193	-0.2973	245	-0.0583	327	0.0937
194	-0.2943	246	-0.0293	328	0.0947
195	-0.2903	247	0.0627	329	0.0947
196	-0.2933	248	0.1457	330	0.0987
197	-0.2813	249	0.1547	331	0.0947
198	-0.2803	250	0.0947	332	0.0927
199	-0.2873	251	-0.2703	333	0.0947
200	-0.2743	252	0.1467	334	0.0937
201	-0.2683	253	0.4757	335	0.0977
202	-0.2683	254	0.4337	336	0.0977
203	-0.2643	255	-0.4923	337	0.0937
204	-0.2633	256	-0.4213	338	0.0937
205	0.2687	257	-0.3563	339	0.0947
206	0.3117	258	-0.2873	340	0.0957
207	0.3157	259	-0.2183	341	0.0947
208	0.3087	260	-0.0513	350	-0.0743
210	0.3007	261	0.0637	351	0.0537
211	0.3807	262	0.1997	352	0.0827
212	0.3117	263	-0.0013	353	0.0897
213	-0.3193	264	0.1347	354	0.0917
214	-0.2103	265	0.3397	355	0.0907
215	-0.1563	266	0.3587		
216	-0.0383	267	-0.0043		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 214
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 20.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.352
TUNNEL DYNAMIC PRESSURE(PSF) = 824.
TUNNEL STAGNATION PRESSURE(PSF) = 1916.
TUNNEL STATIC PRESSURE(PSF) = 644.
REYNOLDS NUMBER PER FOOT = 3.9600E 06
MODEL ANGLE OF ATTACK(DEG) = 3.98
FIN ANGLE(DEG) = 0.14
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.2264
247	1.2254
347	1.2264
447	1.2254
547	1.2244
647	1.2244
747	1.2254

ORF	CP	ORF	CP	ORF	CP
1	0.2484	52	0.0374	102	-0.0246
2	-0.0566	53	-0.0906	103	-0.3406
3	-0.1776	54	-0.0876	104	-0.3646
4	-0.0876	55	-0.0316	105	-0.2616
5	-0.0396	56	-0.0326	110	-0.0596
6	-0.0296	57	-0.0366	111	-0.0786
7	-0.0156	58	-0.0266	112	-0.0816
8	-0.0016	59	-0.0056	113	-0.1206
9	0.0254	60	0.0324	114	-0.2046
10	0.0554	61	0.0634	115	-0.1586
11	0.0754	62	0.0624	116	-0.0866
12	0.0894	63	0.0434	117	-0.0706
13	0.1034	64	-0.1576	118	-0.0706
14	0.0194	65	-0.1546	119	-0.0796
15	-0.0486	66	-0.0776	120	0.0454
16	0.0324	67	-0.0316	121	-0.0706
17	-0.0646	68	-0.0326	122	-0.0776
18	-0.0516	69	-0.0126	123	-0.1686
19	-0.0396	70	0.0144	124	-0.1256
20	-0.0386	71	0.0474	125	-0.0976
21	-0.0386	72	0.0674	126	-0.0756
22	-0.0036	73	0.0574	127	-0.0886
23	0.0234	74	-0.1516	128	-0.2106
24	0.0484	75	-0.1806	129	-0.1466
25	0.0694	76	-0.0176	135	-0.0766
26	0.0814	77	-0.0196	136	-0.0806
27	0.0724	78	-0.0016	137	-0.0816
28	-0.0066	79	0.0384	138	0.0164
29	-0.0556	80	0.0584	139	0.0134
30	-0.0036	81	0.0494	140	0.0134
32	-0.0406	82	-0.1066	141	0.0384
33	-0.0456	83	-0.1746	142	0.0384
34	-0.0406	84	-0.0176	143	0.0374
35	-0.0106	85	-0.0096	145	-0.0806
36	0.0154	86	0.0074	147	0.0424
37	0.0394	87	0.1024	151	0.2254
38	0.0674	88	0.1074	152	-0.0176
39	0.0724	89	-0.1016	153	-0.1056
40	0.0524	90	-0.3446	154	-0.2066
41	-0.0146	91	0.0324	155	0.1224
42	-0.0496	92	0.0544	156	0.1774
43	-0.0316	93	0.0774	157	0.1134
44	-0.0436	94	0.0954	158	0.3634
45	-0.0416	95	-0.1166	159	0.2934
46	-0.0356	96	-0.1016	160	0.2454
47	-0.0076	97	-0.1406	161	0.1524
48	0.0244	98	0.2044	162	0.3444
49	0.0524	99	0.2534	163	0.3034
50	0.0684	100	0.0434	164	0.0144
51	0.0584	101	-0.0406	165	0.1144

ORF	CP	ORF	CP	ORF	CP
166	0.4294	217	0.0354	268	0.0244
167	0.3134	218	0.0434	269	0.2444
168	0.2894	219	0.0584	270	0.2834
169	0.2014	220	0.0964	271	-0.0286
170	0.3704	221	-0.2666	272	-0.0326
171	0.2634	222	-0.1586	273	0.2084
172	0.1164	223	0.1114	274	0.2554
173	0.1624	224	0.1124	275	0.3144
174	0.0844	225	0.3294	276	0.4234
175	-0.0726	226	0.2484	277	0.3074
176	-0.1986	227	-0.4116	278	-0.4586
177	-0.0046	228	-0.3406	279	-0.4056
178	-0.0066	229	-0.2136	280	-0.3186
179	-0.0096	230	-0.0616	281	-0.1876
180	-0.2826	231	0.0014	282	-0.0506
181	0.3564	232	0.0124	283	-0.0326
182	0.4994	233	0.0544	284	0.0414
183	0.3764	234	0.1104	285	0.1034
184	0.4594	235	-0.0146	286	-0.0396
185	0.4914	236	-0.0626	287	-0.0556
186	0.4974	237	0.0254	288	0.1944
187	0.5184	238	0.0864	289	0.2784
188	0.5934	239	0.3684	290	0.2714
189	0.6644	240	0.3224	291	-0.2736
190	-0.2926	241	-0.5116	292	0.2154
191	-0.3176	242	-0.4306	325	0.0804
192	-0.3076	244	-0.1866	326	0.0824
193	-0.3046	245	-0.1176	327	0.0834
194	-0.2896	246	-0.0606	328	0.0834
195	-0.2946	247	0.0684	329	0.0844
196	-0.3026	248	0.1414	330	0.0844
197	-0.2866	249	0.1134	331	0.0814
198	-0.2866	250	0.0814	332	0.0834
199	-0.2916	251	-0.2786	333	0.0854
200	-0.2836	252	0.0934	334	0.0854
201	-0.2736	253	0.4634	335	0.0854
202	-0.2736	254	0.4044	336	0.0814
203	-0.2726	255	-0.5126	337	0.0814
204	-0.2706	256	-0.4596	338	0.0834
205	0.2394	257	-0.4046	339	0.0834
206	0.2804	258	-0.3426	340	0.0824
207	0.2764	259	-0.2076	341	0.0854
208	0.2474	260	-0.0276	350	-0.0786
210	0.3004	261	0.0634	351	0.0414
211	0.3694	262	0.1524	352	0.0724
212	0.2984	263	-0.0886	353	0.0784
213	-0.3316	264	0.0724	354	0.0784
214	-0.2436	265	0.2594	355	0.0864
215	-0.1726	266	0.2764		
216	-0.0486	267	-0.0466		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 215
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 20.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.352
TUNNEL DYNAMIC PRESSURE(PSF) = 824.
TUNNEL STAGNATION PRESSURE(PSF) = 1917.
TUNNEL STATIC PRESSURE(PSF) = 644.
REYNOLDS NUMBER PER FOOT = 3.9650E 06
MODEL ANGLE OF ATTACK(DEG) = 5.95
FIN ANGLE(DEG) = 0.13
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.2234
247	1.2224
347	1.2234
447	1.2234
547	1.2234
647	1.2234
747	1.2234

ORF	CP	ORF	CP	ORF	CP
1	0.2024	52	-0.0406	102	-0.0666
2	-0.0426	53	-0.1416	103	-0.4136
3	-0.0936	54	-0.1106	104	-0.4096
4	-0.0246	55	-0.1966	105	-0.3186
5	0.0094	56	-0.0936	110	-0.0346
6	0.0164	57	-0.0436	111	-0.0576
7	0.0204	58	-0.0236	112	-0.0616
8	0.0244	59	-0.0096	113	-0.1046
9	0.0314	60	-0.0016	114	-0.2146
10	0.0384	61	0.0004	115	-0.1526
11	0.0494	62	-0.0126	116	-0.0696
12	0.0634	63	-0.0366	117	-0.0636
13	0.0704	64	-0.2266	118	-0.0636
14	-0.0216	65	-0.2036	119	-0.0756
15	-0.0936	66	-0.2676	120	0.0414
16	0.0234	67	-0.0986	121	-0.0846
17	-0.0256	68	-0.0556	122	-0.0966
18	-0.0146	69	-0.0306	123	-0.1706
19	-0.0086	70	-0.0196	124	-0.1286
20	-0.0056	71	-0.0116	125	-0.1046
21	-0.0086	72	-0.0186	126	-0.0836
22	0.0024	73	-0.0376	127	-0.0956
23	0.0084	74	-0.2176	128	-0.2126
24	0.0214	75	-0.3616	129	-0.1506
25	0.0324	76	-0.0966	135	-0.0806
26	0.0384	77	-0.0466	136	-0.0846
27	0.0264	78	-0.0226	137	-0.0856
28	-0.0576	79	-0.0146	138	0.0084
29	-0.1176	80	-0.0136	139	0.0074
30	-0.0086	81	-0.0516	140	0.0054
32	-0.0186	82	-0.1736	141	0.0414
33	-0.0206	83	-0.3076	142	0.0414
34	-0.0156	84	-0.1336	143	0.0424
35	-0.0126	85	-0.0316	145	-0.0856
36	0.0014	86	-0.0116	147	0.0394
37	0.0084	87	0.0384	151	0.1704
38	0.0174	88	0.0314	152	-0.0406
39	0.0134	89	-0.1646	153	-0.1256
40	-0.0106	90	-0.4586	154	-0.2146
41	-0.0846	91	-0.1626	155	0.0784
42	-0.1056	92	0.0364	156	0.1274
43	-0.1096	93	0.0434	157	0.0524
44	-0.0406	94	0.0354	158	0.2804
45	-0.0236	95	-0.1706	159	0.2274
46	-0.0156	96	-0.0006	160	0.1824
47	-0.0046	97	-0.1396	161	0.0784
48	0.0014	98	0.2234	162	0.2994
49	0.0104	99	0.2704	163	0.2454
50	0.0114	100	0.0354	164	0.0104
51	-0.0076	101	-0.0906	165	0.0654

ORF	CP	ORF	CP	ORF	CP
166	0.3844	217	-0.0446	268	-0.0186
167	0.3164	218	0.0054	269	0.1984
168	0.3054	219	0.0304	270	0.2284
169	0.2254	220	0.0984	271	-0.0806
170	0.3504	221	-0.3046	272	-0.0656
171	0.2624	222	-0.1876	273	0.1814
172	0.1354	223	0.0894	274	0.2224
173	0.1664	224	0.1134	275	0.2674
174	0.0804	225	0.3504	276	0.3744
175	-0.0626	226	0.2724	277	0.2744
176	-0.1946	227	-0.5076	278	-0.4006
177	-0.0266	228	-0.4546	279	-0.3386
178	-0.0576	229	-0.3436	280	-0.2286
179	-0.0576	230	-0.1476	281	-0.0996
180	-0.2866	231	-0.0516	282	0.0024
181	0.2614	232	-0.0326	283	0.0134
182	0.4124	233	0.0354	284	0.0344
183	0.3484	234	0.1094	285	0.0674
184	0.4464	235	-0.0376	286	-0.0806
185	0.4794	236	-0.0756	287	-0.0946
186	0.4984	237	0.0214	288	0.1724
187	0.5654	238	0.0924	289	0.2324
188	0.6724	239	0.3944	290	0.2234
189	0.7504	240	0.3324	291	-0.2786
190	-0.2906	241	-0.5256	292	0.2954
191	-0.3286	242	-0.4436	325	0.0814
192	-0.3026	244	-0.1826	326	0.0794
193	-0.3046	245	-0.1596	327	0.0814
194	-0.2946	246	-0.0666	328	0.0774
195	-0.3046	247	0.0464	329	0.0774
196	-0.3106	248	0.1174	330	0.0784
197	-0.2926	249	0.0724	331	0.0794
198	-0.2896	250	0.0804	332	0.0804
199	-0.2936	251	-0.2846	333	0.0784
200	-0.2946	252	0.0354	334	0.0784
201	-0.2806	253	0.4434	335	0.0794
202	-0.2796	254	0.3544	336	0.0814
203	-0.2786	255	-0.5356	337	0.0804
204	-0.2786	256	-0.4846	338	0.0784
205	0.2334	257	-0.4386	339	0.0794
206	0.2654	258	-0.3576	340	0.0774
207	0.2664	259	-0.0946	341	0.0784
208	0.2524	260	0.0234	350	-0.0756
210	0.3594	261	0.0284	351	0.0414
211	0.4044	262	0.1094	352	0.0684
212	0.3264	263	-0.1546	353	0.0734
213	-0.4146	264	0.0084	354	0.0764
214	-0.3536	265	0.1924	355	0.0804
215	-0.2946	266	0.2204		
216	-0.1876	267	-0.1146		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 216
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 20.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.352
TUNNEL DYNAMIC PRESSURE(PSF) = 825.
TUNNEL STAGNATION PRESSURE(PSF) = 1918.
TUNNEL STATIC PRESSURE(PSF) = 644.
REYNOLDS NUMBER PER FOOT = 3.9620E 06
MODEL ANGLE OF ATTACK(DEG) = 7.89
FIN ANGLE(DEG) = 0.13
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.2244
247	1.2244
347	1.2254
447	1.2264
547	1.2244
647	1.2244
747	1.2244

ORF	CP	ORF	CP	ORF	CP
1	0.1934	52	-0.0886	102	-0.1196
2	-0.0366	53	-0.1956	103	-0.4476
3	-0.0986	54	-0.1476	104	-0.4396
4	-0.0126	55	-0.2696	105	-0.3616
5	0.0314	56	-0.1576	110	-0.0046
6	0.0414	57	-0.0646	111	-0.0276
7	0.0394	58	-0.0266	112	-0.0416
8	0.0344	59	-0.0156	113	-0.0846
9	0.0304	60	-0.0136	114	-0.2246
10	0.0284	61	-0.0276	115	-0.1396
11	0.0384	62	-0.0526	116	-0.0386
12	0.0474	63	-0.0896	117	-0.0576
13	0.0484	64	-0.2526	118	-0.0546
14	-0.0416	65	-0.2356	119	-0.0626
15	-0.1286	66	-0.3396	120	0.0394
16	0.0064	67	-0.2406	121	-0.0986
17	-0.0286	68	-0.1556	122	-0.1416
18	-0.0076	69	-0.0816	123	-0.1846
19	0.0034	70	-0.0456	124	-0.1326
20	0.0074	71	-0.0296	125	-0.1156
21	0.0024	72	-0.0446	126	-0.0906
22	0.0014	73	-0.0696	127	-0.1066
23	0.0004	74	-0.2606	128	-0.2136
24	0.0094	75	-0.3686	129	-0.1526
25	0.0194	76	-0.2746	135	-0.0896
26	0.0254	77	-0.2126	136	-0.0916
27	0.0124	78	-0.1466	137	-0.0936
28	-0.0766	79	-0.0916	138	-0.0016
29	-0.1646	80	-0.0636	139	0.0034
30	-0.0116	81	-0.0706	140	0.0044
32	-0.0186	82	-0.2096	141	0.0394
33	-0.0196	83	-0.2996	142	0.0404
34	-0.0236	84	-0.2936	143	0.0414
35	-0.0256	85	-0.2276	145	-0.0906
36	-0.0216	86	-0.1576	147	0.0394
37	-0.0096	87	-0.1026	151	0.1094
38	-0.0026	88	-0.0736	152	-0.0536
39	-0.0106	89	-0.1806	153	-0.1376
40	-0.0376	90	-0.3676	154	-0.2196
41	-0.1136	91	-0.2856	155	0.0254
42	-0.1686	92	-0.2096	156	0.0694
43	-0.1086	93	-0.1636	157	-0.0256
44	-0.0476	94	-0.1576	158	0.2394
45	-0.0366	95	-0.2386	159	0.1554
46	-0.0306	96	-0.0506	160	0.1164
47	-0.0236	97	-0.1476	161	0.0164
48	-0.0196	98	0.2594	162	0.2644
49	-0.0206	99	0.3554	163	0.2114
50	-0.0256	100	0.0554	164	0.0014
51	-0.0456	101	-0.1486	165	0.0364

ORF	CP	ORF	CP	ORF	CP
166	0.3754	217	-0.2146	268	-0.0686
167	0.3204	218	-0.1296	269	0.1564
168	0.3034	219	-0.0446	270	0.1894
169	0.2384	220	0.1104	271	-0.1316
170	0.3474	221	-0.3456	272	-0.0896
171	0.2524	222	-0.1846	273	0.1634
172	0.1274	223	0.0804	274	0.1844
173	0.1354	224	0.1304	275	0.2354
174	0.0264	225	0.4014	276	0.3554
175	-0.1126	226	0.3134	277	0.2624
176	-0.2416	227	-0.5506	278	-0.3716
177	-0.0736	228	-0.5016	279	-0.3266
178	-0.1426	229	-0.4496	280	-0.2026
179	-0.1076	230	-0.3156	281	-0.0816
180	-0.2856	231	-0.1696	282	0.0284
181	0.1414	232	-0.1136	283	0.0404
182	0.2944	233	-0.0236	284	0.0294
183	0.3454	234	0.1344	285	0.0504
184	0.4664	235	-0.0546	286	-0.1396
185	0.5194	236	-0.0736	287	-0.1136
186	0.6024	237	0.0244	288	0.1514
187	0.7184	238	0.1254	289	0.2084
188	0.8324	239	0.3814	290	0.1934
189	0.9504	240	0.3214	291	-0.3456
190	-0.2976	241	-0.5246	292	0.3774
191	-0.3336	242	-0.4476	325	0.0764
192	-0.3096	244	-0.2126	326	0.0764
193	-0.3176	245	-0.1906	327	0.0774
194	-0.3036	246	-0.1356	328	0.0774
195	-0.3096	247	0.0114	329	0.0754
196	-0.3186	248	0.1064	330	0.0764
197	-0.3006	249	0.0544	331	0.0764
198	-0.2986	250	0.0784	332	0.0764
199	-0.3026	251	-0.2846	333	0.0764
200	-0.2996	252	-0.0036	334	0.0764
201	-0.2866	253	0.4054	335	0.0774
202	-0.2876	254	0.3044	336	0.0754
203	-0.2846	255	-0.5556	337	0.0764
204	-0.2846	256	-0.5126	338	0.0774
205	0.1924	257	-0.4666	339	0.0794
206	0.2264	258	-0.3836	340	0.0784
207	0.2124	259	-0.0656	341	0.0754
208	0.2074	260	0.0214	350	-0.0656
210	0.4534	261	0.0104	351	0.0404
211	0.4774	262	0.0784	352	0.0694
212	0.4004	263	-0.1516	353	0.0804
213	-0.4206	264	-0.0576	354	0.0794
214	-0.3946	265	0.1614	355	0.0824
215	-0.3476	266	0.1884		
216	-0.2856	267	-0.1426		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 217
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 20.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.354
TUNNEL DYNAMIC PRESSURE(PSF) = 824.
TUNNEL STAGNATION PRESSURE(PSF) = 1917.
TUNNEL STATIC PRESSURE(PSF) = 642.
REYNOLDS NUMBER PER FOOT = 3.9590E 06
MODEL ANGLE OF ATTACK(DEG) = 11.94
FIN ANGLE(DEG) = 0.24
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 561.

SCANIVALE	CP(REF)
147	1.2249
247	1.2249
347	1.2259
447	1.2259
547	1.2259
647	1.2259
747	1.2259

ORF	CP	ORF	CP	ORF	CP
1	0.1829	52	-0.1361	102	-0.1861
2	0.0489	53	-0.2421	103	-0.4221
3	0.0239	54	-0.2271	104	-0.4081
4	0.0189	55	-0.0751	105	-0.3351
5	0.0509	56	-0.0651	110	0.0599
6	0.0639	57	-0.0691	111	0.0359
7	0.0649	58	-0.0781	112	0.0249
8	0.0549	59	-0.0891	113	-0.0281
9	0.0519	60	-0.1011	114	-0.2551
10	0.0449	61	-0.1211	115	-0.0871
11	0.0449	62	-0.1451	116	0.0419
12	0.0419	63	-0.1871	117	-0.0221
13	0.0399	64	-0.2941	118	-0.0221
14	-0.0561	65	-0.2951	119	-0.0401
15	-0.1421	66	-0.2951	120	0.0279
16	0.0339	67	-0.1801	121	-0.1231
17	0.0069	68	-0.1311	122	-0.1231
18	0.0189	69	-0.1231	123	-0.2121
19	0.0469	70	-0.1251	124	-0.1631
20	0.0499	71	-0.1361	125	-0.1481
21	0.0419	72	-0.1641	126	-0.1211
22	0.0419	73	-0.2091	127	-0.1391
23	0.0349	74	-0.3101	128	-0.2241
24	0.0319	75	-0.4301	129	-0.1671
25	0.0339	76	-0.4041	135	-0.1251
26	0.0319	77	-0.3431	136	-0.1211
27	0.0139	78	-0.2181	137	-0.1201
28	-0.0741	79	-0.1641	138	-0.0341
29	-0.1701	80	-0.1581	139	-0.0291
30	0.0189	81	-0.2071	140	-0.0261
32	0.0249	82	-0.3231	141	0.0529
33	0.0219	83	-0.3311	142	0.0579
34	0.0079	84	-0.4431	143	0.0639
35	0.0059	85	-0.4221	145	-0.1221
36	0.0009	86	-0.3761	147	0.0529
37	-0.0041	87	-0.2921	151	-0.0361
38	-0.0131	88	-0.2261	152	-0.1601
39	-0.0161	89	-0.2901	153	-0.1911
40	-0.0461	90	-0.4381	154	-0.2051
41	-0.1201	91	-0.4521	155	-0.0981
42	-0.1991	92	-0.4201	156	0.0119
43	0.0079	93	-0.3991	157	-0.0151
44	-0.0091	94	-0.4021	158	0.2159
45	-0.0251	95	-0.4131	159	0.0499
46	-0.0371	96	-0.0541	160	0.0349
47	-0.0471	97	-0.1821	161	-0.0241
48	-0.0561	98	0.1519	162	0.1499
49	-0.0651	99	0.3329	163	0.0929
50	-0.0731	100	0.0539	164	-0.0261
51	-0.0951	101	-0.2061	165	-0.0611

ORF	CP	ORF	CP	ORF	CP
166	0.2149	217	-0.2631	268	-0.1431
167	0.1289	218	-0.2321	269	0.0929
168	0.0989	219	-0.1921	270	0.1379
169	0.0219	220	-0.1741	271	-0.1821
170	0.1939	221	-0.3121	272	-0.1371
171	0.0979	222	-0.2971	273	0.0809
172	-0.0121	223	0.0089	274	0.1049
173	0.0189	224	0.1079	275	0.1139
174	-0.0671	225	0.5229	276	0.3199
175	-0.1861	226	0.4279	277	0.2669
176	-0.3011	227	-0.5251	278	-0.2881
177	-0.2051	228	-0.4821	279	-0.1771
178	-0.2301	229	-0.4501	280	-0.0611
179	-0.2041	230	-0.3671	281	0.0259
180	-0.2761	231	-0.2961	282	0.0599
181	0.2739	232	-0.2391	283	0.0579
182	0.3909	233	-0.2111	284	0.0499
183	0.2829	234	-0.1631	285	0.0419
184	0.4209	235	-0.0661	286	-0.1881
185	0.4629	236	-0.0251	287	-0.1901
186	0.5489	237	0.0269	288	0.0699
187	0.5379	238	0.1799	289	0.1199
188	0.5739	239	0.3129	290	0.1219
189	0.6579	240	0.2999	291	-0.3301
190	-0.3031	241	-0.5241	292	0.4839
191	-0.3481	242	-0.4541	325	0.0739
192	-0.3151	244	-0.3471	326	0.0709
193	-0.3271	245	-0.3371	327	0.0739
194	-0.3331	246	-0.3211	328	0.0729
195	-0.3241	247	-0.1281	329	0.0729
196	-0.3231	248	0.0959	330	0.0739
197	-0.3061	249	0.0419	331	0.0709
198	-0.3051	250	0.0589	332	0.0729
199	-0.3181	251	-0.2851	333	0.0749
200	-0.3061	252	-0.2481	334	0.0729
201	-0.2931	253	0.3369	335	0.0729
202	-0.2911	254	0.2129	336	0.0719
203	-0.2931	255	-0.5571	337	0.0729
204	-0.2941	256	-0.5291	338	0.0729
205	0.0989	257	-0.4921	339	0.0749
206	0.1379	258	-0.3261	340	0.0729
207	0.1199	259	-0.1471	341	0.0729
208	0.1179	260	-0.0521	350	-0.0411
210	0.5729	261	0.0149	351	0.0359
211	0.6399	262	0.0629	352	0.0509
212	0.5459	263	-0.1671	353	0.0559
213	-0.3931	264	-0.1451	354	0.0569
214	-0.3761	265	0.1119	355	0.0599
215	-0.3471	266	0.1389		
216	-0.2931	267	-0.1601		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 218
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 20.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.348
TUNNEL DYNAMIC PRESSURE(PSF) = 824.
TUNNEL STAGNATION PRESSURE(PSF) = 1917.
TUNNEL STATIC PRESSURE(PSF) = 648.
REYNOLDS NUMBER PER FOOT = 3.9610E 06
MODEL ANGLE OF ATTACK(DEG) = 14.15
FIN ANGLE(DEG) = 0.40
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 561.

SCANIVALE	CP(REF)
147	1.2206
247	1.2196
347	1.2196
447	1.2196
547	1.2186
647	1.2186
747	1.2176

ORF	CP	ORF	CP	ORF	CP
1	0.0316	52	-0.1254	102	-0.2064
2	-0.0464	53	-0.2214	103	-0.4294
3	-0.0554	54	-0.2184	104	-0.4054
4	-0.0404	55	-0.1124	105	-0.3224
5	-0.0194	56	-0.0874	110	0.0926
6	-0.0134	57	-0.0854	111	0.0676
7	-0.0174	58	-0.0854	112	0.0546
8	-0.0134	59	-0.0924	113	-0.0014
9	-0.0014	60	-0.1044	114	-0.3014
10	0.0156	61	-0.1274	115	-0.0484
11	0.0206	62	-0.1534	116	0.0946
12	0.0336	63	-0.1904	117	-0.0054
13	0.0176	64	-0.2934	118	-0.0054
14	-0.0554	65	-0.3044	119	-0.0304
15	-0.1244	66	-0.2484	120	0.0116
16	-0.0644	67	-0.1954	121	-0.1454
17	-0.0814	68	-0.1494	122	-0.1854
18	-0.0644	69	-0.1434	123	-0.2644
19	-0.0414	70	-0.1534	124	-0.1944
20	-0.0404	71	-0.1734	125	-0.1724
21	-0.0264	72	-0.1954	126	-0.1464
22	-0.0154	73	-0.2444	127	-0.1634
23	-0.0064	74	-0.3294	128	-0.2444
24	0.0086	75	-0.4064	129	-0.1894
25	0.0206	76	-0.3444	135	-0.1504
26	0.0206	77	-0.2784	136	-0.1464
27	0.0046	78	-0.2194	137	-0.1434
28	-0.0754	79	-0.2094	138	-0.0674
29	-0.1434	80	-0.2164	139	-0.0694
30	-0.0634	81	-0.2714	140	-0.0554
32	-0.0504	82	-0.3304	141	0.0686
33	-0.0434	83	-0.3464	142	0.0686
34	-0.0414	84	-0.4434	143	0.0716
35	-0.0294	85	-0.3834	145	-0.1474
36	-0.0194	86	-0.3304	147	0.0646
37	-0.0124	87	-0.2784	151	-0.0654
38	-0.0154	88	-0.2784	152	-0.2084
39	-0.0194	89	-0.3314	153	-0.1984
40	-0.0444	90	-0.4704	154	-0.2054
41	-0.1114	91	-0.4884	155	-0.1244
42	-0.1794	92	-0.4754	156	0.0146
43	-0.0604	93	-0.4214	157	0.0286
44	-0.0474	94	-0.3864	158	0.2146
45	-0.0574	95	-0.3914	159	0.0596
46	-0.0544	96	-0.1464	160	0.0756
47	-0.0484	97	-0.2464	161	0.0316
48	-0.0564	98	0.1056	162	0.1516
49	-0.0604	99	0.2916	163	0.0946
50	-0.0724	100	0.0306	164	-0.0544
51	-0.0924	101	-0.2254	165	-0.0434

ORF	CP	ORF	CP	ORF	CP
166	0.2266	217	-0.2524	268	-0.1784
167	0.1276	218	-0.2244	269	0.0796
168	0.0836	219	-0.2044	270	0.1516
169	0.0096	220	-0.2024	271	-0.1954
170	0.1816	221	-0.3254	272	-0.1694
171	0.0776	222	-0.3334	273	0.0806
172	-0.0384	223	-0.1424	274	0.1066
173	-0.0024	224	-0.0324	275	0.1096
174	-0.0794	225	0.5426	276	0.1636
175	-0.2174	226	0.4426	277	0.1316
176	-0.3274	227	-0.5204	278	-0.3504
177	-0.2234	228	-0.4764	279	-0.2594
178	-0.2454	229	-0.4464	280	-0.1734
179	-0.2264	230	-0.3744	281	-0.0664
180	-0.3064	231	-0.3094	282	-0.0154
181	0.3616	232	-0.2524	283	-0.0224
182	0.4326	233	-0.2344	284	-0.0004
183	0.2686	234	-0.2474	285	0.0346
184	0.3286	235	-0.2494	286	-0.2174
185	0.3876	236	0.0406	287	-0.2034
186	0.4136	237	0.1156	288	0.0626
187	0.5746	238	0.2436	289	0.1056
188	0.5646	239	0.2566	290	0.1016
189	0.5046	240	0.2496	291	-0.3514
190	-0.3144	241	-0.5234	292	0.5336
191	-0.3684	242	-0.4554	325	0.0586
192	-0.3254	244	-0.3824	326	0.0596
193	-0.3324	245	-0.3824	327	0.0606
194	-0.3514	246	-0.3794	328	0.0576
195	-0.3444	247	-0.3424	329	0.0586
196	-0.3394	248	0.0016	330	0.0596
197	-0.3244	249	0.1066	331	0.0606
198	-0.3244	250	0.0616	332	0.0636
199	-0.3384	251	-0.2964	333	0.0596
200	-0.3244	252	-0.3314	334	0.0586
201	-0.3094	253	0.2686	335	0.0596
202	-0.3084	254	0.1696	336	0.0636
203	-0.3104	255	-0.5944	337	0.0596
204	-0.3094	256	-0.5744	338	0.0596
205	0.0526	257	-0.5424	339	0.0606
206	0.1176	258	-0.4114	340	0.0586
207	0.0836	259	-0.2374	341	0.0586
208	0.0456	260	-0.1444	350	-0.0304
210	0.5586	261	-0.0424	351	0.0406
211	0.6606	262	0.0526	352	0.0556
212	0.5606	263	-0.1144	353	0.0626
213	-0.3914	264	-0.1484	354	0.0626
214	-0.3694	265	0.0776	355	0.0646
215	-0.3394	266	0.1246		
216	-0.2814	267	-0.1414		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 236
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 19.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.201
TUNNEL DYNAMIC PRESSURE(PSF) = 791.
TUNNEL STAGNATION PRESSURE(PSF) = 1903.
TUNNEL STATIC PRESSURE(PSF) = 784.
REYNOLDS NUMBER PER FOOT = 3.9720E 06
MODEL ANGLE OF ATTACK(DEG) = -12.09
FIN ANGLE(DEG) = 0.32
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.0978
247	1.0958
347	1.0958
447	1.0968
547	1.0968
647	1.0968
747	1.0968

ORF	CP	ORF	CP	ORF	CP
1	0.6488	52	0.3828	102	0.1098
2	0.3888	53	0.1248	103	-0.3212
3	0.4178	54	0.1598	104	-0.3072
4	0.4698	55	0.7458	105	-0.1932
5	0.4958	56	0.6858	110	-0.1462
6	0.5218	57	0.6408	111	-0.1342
7	0.5298	58	0.6078	112	-0.1062
8	0.5368	59	0.5768	113	-0.1712
9	0.5268	60	0.5428	114	-0.2782
10	0.5248	61	0.4948	115	-0.1752
11	0.5088	62	0.4328	116	-0.0632
12	0.4918	63	0.3408	117	-0.0262
13	0.4558	64	-0.0462	118	-0.0292
14	0.2858	65	0.1388	119	-0.0652
15	0.1978	66	0.7408	120	-0.0142
16	0.5998	67	0.6728	121	-0.1032
17	0.5728	68	0.6178	122	-0.2082
18	0.5668	69	0.5718	123	-0.2562
19	0.5628	70	0.5308	124	-0.1782
20	0.5658	71	0.4758	125	-0.1482
21	0.5588	72	0.4028	126	-0.1172
22	0.5548	73	0.2858	127	-0.1342
23	0.5428	74	0.0948	128	-0.2622
24	0.5318	75	0.7208	129	-0.1832
25	0.5118	76	0.6418	135	-0.1032
26	0.4858	77	0.5738	136	-0.1172
27	0.4378	78	0.5048	137	-0.1162
28	0.2868	79	0.4338	138	0.0148
29	0.1688	80	0.3478	139	0.0268
30	0.6828	81	0.1898	140	0.0238
32	0.6218	82	0.0218	141	0.1188
33	0.6098	83	0.6358	142	0.1218
34	0.5928	84	0.5928	143	0.1178
35	0.5778	85	0.4968	145	-0.1132
36	0.5598	86	0.4028	147	0.1118
37	0.5408	87	0.3078	151	0.3078
38	0.5168	88	0.1888	152	0.0408
39	0.4828	89	-0.0312	153	-0.0582
40	0.4238	90	0.5828	154	-0.2872
41	0.2898	91	0.4028	155	0.2928
42	0.1628	92	0.3018	156	0.4238
43	0.7298	93	0.2288	157	0.2298
44	0.6788	94	0.1338	158	0.7768
45	0.6448	95	-0.1002	159	0.5558
46	0.6218	96	-0.3992	160	0.5298
47	0.6008	97	-0.0182	161	0.4108
48	0.5748	98	-0.5922	162	0.7518
49	0.5418	99	-0.4482	163	0.6068
50	0.5078	100	-0.1872	164	0.0218
51	0.4548	101	0.0538	165	0.3198

ORF	CP	ORF	CP	ORF	CP
166	0.5948	217	0.1668	268	0.1828
167	0.5688	218	0.3708	269	0.5538
168	0.4948	219	0.4328	270	0.6598
169	0.3218	220	0.4118	271	0.0958
170	0.6448	221	-0.1342	272	0.0788
171	0.4178	222	-0.0312	273	0.5488
172	0.1998	223	0.3748	274	0.6278
173	0.3248	224	0.3658	275	0.5038
174	0.2348	225	0.6418	276	0.7968
175	-0.0422	226	0.5098	277	0.6998
176	-0.2412	227	-0.6522	278	-0.0632
177	0.0368	228	-0.5662	279	0.0988
178	-0.1042	229	-0.4702	280	0.2388
179	-0.0922	230	-0.0722	281	0.4018
180	-0.3742	231	0.2198	282	0.4998
181	0.6568	232	0.3678	283	0.5208
182	0.8368	233	0.4228	284	0.5338
183	0.5808	234	0.4238	285	0.4618
184	0.7998	235	0.2148	286	0.0708
185	0.9898	236	0.1258	287	0.0778
186	1.1928	237	0.2428	288	0.4698
187	1.3098	238	0.3188	289	0.4948
188	1.3458	239	0.6448	290	0.6008
189	1.3438	240	0.5698	291	-0.6252
190	-0.3472	241	-0.3722	292	0.0178
191	-0.4042	242	-0.2472	325	0.0048
192	-0.3632	244	0.0698	326	0.0038
193	-0.3632	245	0.2808	327	0.0068
194	-0.3482	246	0.3708	328	0.0078
195	-0.4052	247	0.4348	329	0.0078
196	-0.3772	248	0.4408	330	0.0078
197	-0.3542	249	0.3958	331	0.0038
198	-0.3572	250	0.0088	332	0.0068
199	-0.3612	251	-0.3532	333	0.0088
200	-0.3682	252	0.2528	334	0.0088
201	-0.3532	253	0.7468	335	0.0088
202	-0.3472	254	0.6348	336	0.0058
203	-0.3512	255	-0.1472	337	0.0048
204	-0.3572	256	-0.0882	338	0.0038
205	0.1108	257	-0.0312	339	0.0058
206	0.2058	258	0.1148	340	0.0078
207	0.1468	259	0.3248	341	0.0078
208	0.2218	260	0.4318	350	-0.0652
210	0.7248	261	0.4818	351	-0.0042
211	0.7178	262	0.4718	352	0.0078
212	0.5818	263	0.2478	353	0.0108
213	-0.5322	264	0.2548	354	0.0108
214	-0.4862	265	0.5378	355	0.0088
215	-0.4372	266	0.6148		
216	-0.3042	267	0.2048		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 238
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 19.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.199
TUNNEL DYNAMIC PRESSURE(PSF) = 790.
TUNNEL STAGNATION PRESSURE(PSF) = 1901.
TUNNEL STATIC PRESSURE(PSF) = 784.
REYNOLDS NUMBER PER FOOT = 3.9680E 06
MODEL ANGLE OF ATTACK(DEG) = -6.06
FIN ANGLE(DEG) = 0.34
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.0996
247	1.0976
347	1.0986
447	1.0986
547	1.0946
647	1.0946
747	1.0936

ORF	CP	ORF	CP	ORF	CP
1	0.4356	52	0.2986	102	0.0156
2	0.2976	53	0.0776	103	-0.3894
3	0.2826	54	-0.0414	104	-0.3524
4	0.3046	55	0.5596	105	-0.2084
5	0.3246	56	0.5206	110	-0.1344
6	0.3326	57	0.4996	111	-0.1484
7	0.3366	58	0.4736	112	-0.1144
8	0.3576	59	0.4496	113	-0.1684
9	0.3666	60	0.4206	114	-0.2354
10	0.3616	61	0.3866	115	-0.1514
11	0.3586	62	0.3416	116	-0.0764
12	0.3456	63	0.2736	117	-0.0394
13	0.3096	64	-0.1044	118	-0.0394
14	0.1856	65	-0.0744	119	-0.0694
15	0.1136	66	0.5766	120	0.0226
16	0.3796	67	0.5226	121	-0.0634
17	0.3516	68	0.4816	122	-0.1904
18	0.3436	69	0.4506	123	-0.2354
19	0.3516	70	0.4176	124	-0.0854
20	0.3586	71	0.3776	125	-0.0684
21	0.3626	72	0.3236	126	-0.0294
22	0.3786	73	0.2306	127	-0.0524
23	0.3756	74	-0.1024	128	-0.2484
24	0.3696	75	0.5766	129	-0.1684
25	0.3586	76	0.5076	135	-0.0554
26	0.3416	77	0.4596	136	-0.0604
27	0.3036	78	0.4096	137	-0.0624
28	0.1836	79	0.3516	138	0.0436
29	0.0796	80	0.2756	139	0.0466
30	0.4346	81	0.1376	140	0.0526
32	0.4096	82	-0.1404	141	0.1066
33	0.4136	83	0.5086	142	0.1026
34	0.4106	84	0.4696	143	0.0916
35	0.4066	85	0.3856	145	-0.0584
36	0.4036	86	0.3006	147	0.1076
37	0.3956	87	0.2246	151	0.2376
38	0.3756	88	0.1226	152	-0.0114
39	0.3576	89	-0.1774	153	-0.1214
40	0.3096	90	0.4536	154	-0.3234
41	0.2066	91	0.2926	155	0.2506
42	0.0456	92	0.2176	156	0.3146
43	0.5176	93	0.1586	157	0.1396
44	0.4826	94	0.0806	158	0.5846
45	0.4676	95	-0.2134	159	0.4286
46	0.4576	96	-0.1744	160	0.4016
47	0.4466	97	-0.1004	161	0.2986
48	0.4286	98	0.0606	162	0.5216
49	0.4076	99	-0.1234	163	0.4196
50	0.3856	100	-0.1014	164	0.0476
51	0.3536	101	-0.0274	165	0.1866

ORF	CP	ORF	CP	ORF	CP
166	0.5086	217	-0.0504	268	0.1266
167	0.3926	218	0.2126	269	0.4096
168	0.3326	219	0.3616	270	0.4936
169	0.1856	220	0.3476	271	0.0116
170	0.4966	221	-0.2114	272	0.0556
171	0.3176	222	-0.0684	273	0.4256
172	0.1346	223	0.2976	274	0.4786
173	0.2536	224	0.3036	275	0.3366
174	0.1406	225	0.5066	276	0.5166
175	-0.0864	226	0.3886	277	0.4606
176	-0.2804	227	-0.6944	278	0.0606
177	0.0026	228	-0.6174	279	0.1756
178	-0.1044	229	-0.5304	280	0.2256
179	-0.0634	230	-0.3144	281	0.2746
180	-0.3504	231	0.0236	282	0.3076
181	0.4486	232	0.2186	283	0.3266
182	0.5956	233	0.3426	284	0.3536
183	0.5356	234	0.3536	285	0.3166
184	0.6776	235	0.1466	286	-0.0164
185	0.7766	236	0.0566	287	0.0516
186	0.8746	237	0.1776	288	0.3936
187	0.9776	238	0.2546	289	0.4286
188	1.1076	239	0.5216	290	0.4656
189	1.1786	240	0.4456	291	-0.6174
190	-0.3814	241	-0.6474	292	0.0556
191	-0.3664	242	-0.5424	325	0.0466
192	-0.3904	244	-0.1244	326	0.0466
193	-0.3894	245	0.1366	327	0.0466
194	-0.4094	246	0.2526	328	0.0466
195	-0.3514	247	0.3326	329	0.0476
196	-0.3504	248	0.3456	330	0.0476
197	-0.3514	249	0.3116	331	0.0476
198	-0.3434	250	0.0456	332	0.0486
199	-0.3394	251	-0.3234	333	0.0476
200	-0.3374	252	0.1746	334	0.0486
201	-0.3244	253	0.5146	335	0.0486
202	-0.3294	254	0.4256	336	0.0476
203	-0.3254	255	-0.3324	337	0.0466
204	-0.3254	256	-0.2124	338	0.0466
205	0.3046	257	-0.1014	339	0.0476
206	0.3306	258	0.0946	340	0.0466
207	0.3436	259	0.2436	341	0.0476
208	0.3646	260	0.2996	350	-0.0694
210	0.5546	261	0.3436	351	0.0216
211	0.6026	262	0.3436	352	0.0416
212	0.4936	263	0.1636	353	0.0456
213	-0.5374	264	0.1836	354	0.0456
214	-0.4754	265	0.4076	355	0.0466
215	-0.4224	266	0.4646		
216	-0.3424	267	0.1206		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 240
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 19.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.196
TUNNEL DYNAMIC PRESSURE(PSF) = 790.
TUNNEL STAGNATION PRESSURE(PSF) = 1904.
TUNNEL STATIC PRESSURE(PSF) = 789.
REYNOLDS NUMBER PER FOOT = 3.9750E 06
MODEL ANGLE OF ATTACK(DEG) = -1.93
FIN ANGLE(DEG) = 0.35
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.0903
247	1.0903
347	1.0903
447	1.0913
547	1.0873
647	1.0873
747	1.0873

ORF	CP	ORF	CP	ORF	CP
1	0.2633	52	0.1923	102	-0.0307
2	-0.0317	53	0.0053	103	-0.4267
3	-0.0577	54	-0.1287	104	-0.3907
4	0.0523	55	0.3303	105	-0.2367
5	0.1123	56	0.3143	110	-0.1577
6	0.1613	57	0.3113	111	-0.1627
7	0.1843	58	0.3153	112	-0.1347
8	0.2013	59	0.3073	113	-0.1957
9	0.2103	60	0.2913	114	-0.2387
10	0.2163	61	0.2703	115	-0.1917
11	0.2153	62	0.2393	116	-0.1317
12	0.2083	63	0.1923	117	-0.0917
13	0.1873	64	-0.1497	118	-0.0877
14	0.0803	65	-0.1487	119	-0.0957
15	0.0143	66	0.3803	120	0.0383
16	0.0683	67	0.3533	121	-0.0637
17	0.0633	68	0.3303	122	-0.1957
18	0.1113	69	0.3133	123	-0.2387
19	0.1553	70	0.2913	124	-0.0907
20	0.1833	71	0.2683	125	-0.0777
21	0.1933	72	0.2343	126	-0.0357
22	0.2133	73	0.1653	127	-0.0577
23	0.2193	74	-0.1737	128	-0.2407
24	0.2233	75	0.4023	129	-0.1757
25	0.2223	76	0.3633	135	-0.0527
26	0.2093	77	0.3303	136	-0.0547
27	0.1773	78	0.2973	137	-0.0577
28	0.0723	79	0.2523	138	0.0303
29	-0.0127	80	0.1903	139	0.0373
30	0.1473	81	0.0893	140	0.0343
32	0.1973	82	-0.1917	141	0.0933
33	0.2113	83	0.3583	142	0.0933
34	0.2233	84	0.3343	143	0.0853
35	0.2323	85	0.2723	145	-0.0597
36	0.2383	86	0.1983	147	0.0913
37	0.2383	87	0.1603	151	0.1263
38	0.2303	88	0.0873	152	-0.0767
39	0.2153	89	-0.2077	153	-0.2157
40	0.1833	90	0.3163	154	-0.3697
41	0.0933	91	0.1903	155	0.2803
42	-0.0487	92	0.1753	156	0.2113
43	0.2603	93	0.1403	157	0.0503
44	0.2623	94	0.0853	158	0.5393
45	0.2623	95	-0.2137	159	0.3633
46	0.2763	96	-0.2577	160	0.3273
47	0.2783	97	-0.1497	161	0.2293
48	0.2753	98	0.2643	162	0.4923
49	0.2673	99	0.2333	163	0.3893
50	0.2543	100	0.0603	164	0.0323
51	0.2283	101	-0.0687	165	0.1423

ORF	CP	ORF	CP	ORF	CP
166	0.5343	217	0.0323	268	0.0603
167	0.4023	218	0.1473	269	0.3233
168	0.3433	219	0.2143	270	0.4153
169	0.2173	220	0.2163	271	-0.0377
170	0.3003	221	-0.2877	272	-0.0217
171	0.3883	222	-0.1227	273	0.3473
172	0.1753	223	0.2083	274	0.4033
173	0.2593	224	0.1983	275	0.4193
174	0.1553	225	0.4123	276	0.4403
175	-0.0117	226	0.3103	277	0.3353
176	-0.2797	227	-0.5927	278	-0.3837
177	-0.0877	228	-0.5167	279	-0.3467
178	-0.2017	229	-0.3697	280	-0.2367
179	-0.1217	230	-0.1257	281	-0.0897
180	-0.3537	231	0.0593	282	0.0823
181	0.3333	232	0.1383	283	0.1623
182	0.5073	233	0.2053	284	0.2123
183	0.6123	234	0.2193	285	0.1913
184	0.7863	235	0.0463	286	-0.0557
185	0.8753	236	-0.0427	287	-0.0527
186	0.9513	237	0.0903	288	0.3303
187	1.0353	238	0.1513	289	0.3963
188	1.0943	239	0.3923	290	0.3473
189	1.1473	240	0.3043	291	-0.2627
190	-0.3747	241	-0.3357	292	0.1493
191	-0.3747	242	-0.3167	325	0.0653
192	-0.3837	244	-0.0737	326	0.0643
193	-0.3827	245	0.0843	327	0.0633
194	-0.3697	246	0.1323	328	0.0643
195	-0.3587	247	0.1883	329	0.0643
196	-0.3567	248	0.2053	330	0.0653
197	-0.3497	249	0.1893	331	0.0653
198	-0.3487	250	0.0653	332	0.0633
199	-0.3477	251	-0.3377	333	0.0643
200	-0.3477	252	0.0873	334	0.0653
201	-0.3347	253	0.3693	335	0.0653
202	-0.3337	254	0.2663	336	0.0653
203	-0.3297	255	-0.3307	337	0.0643
204	-0.3257	256	-0.2757	338	0.0643
205	0.3463	257	-0.2347	339	0.0643
206	0.3963	258	-0.0867	340	0.0643
207	0.3853	259	0.0773	341	0.0653
208	0.3723	260	0.1383	350	-0.0877
210	0.4283	261	0.1953	351	0.0303
211	0.4853	262	0.2123	352	0.0623
212	0.3833	263	0.0733	353	0.0643
213	-0.5027	264	0.1113	354	0.0653
214	-0.4187	265	0.3133	355	0.0643
215	-0.3517	266	0.3713		
216	-0.1607	267	0.0373		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 241
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 19.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.197
TUNNEL DYNAMIC PRESSURE(PSF) = 790.
TUNNEL STAGNATION PRESSURE(PSF) = 1902.
TUNNEL STATIC PRESSURE(PSF) = 787.
REYNOLDS NUMBER PER FOOT = 3.9660E 06
MODEL ANGLE OF ATTACK(DEG) = -0.93
FIN ANGLE(DEG) = 0.37
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 560.

SCANIVALE	CP(REF)
147	1.0958
247	1.0948
347	1.0948
447	1.0958
547	1.0918
647	1.0918
747	1.0908

ORF	CP	ORF	CP	ORF	CP
1	0.3098	52	0.1798	102	-0.0322
2	-0.0512	53	-0.0102	103	-0.4082
3	-0.2172	54	-0.1542	104	-0.3832
4	-0.0152	55	0.2848	105	-0.2262
5	0.0868	56	0.2778	110	-0.1522
6	0.1378	57	0.2868	111	-0.1502
7	0.1688	58	0.2838	112	-0.1272
8	0.1868	59	0.2808	113	-0.1882
9	0.1958	60	0.2688	114	-0.2272
10	0.2018	61	0.2448	115	-0.1842
11	0.2048	62	0.2178	116	-0.1242
12	0.2018	63	0.1718	117	-0.0802
13	0.1838	64	-0.1582	118	-0.0822
14	0.0648	65	-0.1572	119	-0.0862
15	-0.0022	66	0.3368	120	0.0478
16	0.0388	67	0.3128	121	-0.0522
17	-0.0592	68	0.2988	122	-0.1912
18	0.0468	69	0.2878	123	-0.2272
19	0.1408	70	0.2648	124	-0.0922
20	0.1738	71	0.2448	125	-0.0732
21	0.1878	72	0.2148	126	-0.0342
22	0.2008	73	0.1538	127	-0.0542
23	0.2068	74	-0.1822	128	-0.2382
24	0.2128	75	0.3518	129	-0.1672
25	0.2118	76	0.3178	135	-0.0472
26	0.2008	77	0.2948	136	-0.0472
27	0.1758	78	0.2658	137	-0.0452
28	0.0638	79	0.2338	138	0.0398
29	-0.0352	80	0.1738	139	0.0538
30	0.0438	81	0.0818	140	0.0408
32	0.1838	82	-0.1972	141	0.1038
33	0.2108	83	0.3078	142	0.1048
34	0.2188	84	0.2988	143	0.0968
35	0.2178	85	0.2448	145	-0.0482
36	0.2288	86	0.1768	147	0.1048
37	0.2248	87	0.1478	151	0.1448
38	0.2248	88	0.0858	152	-0.0862
39	0.2148	89	-0.2102	153	-0.2012
40	0.1778	90	0.2748	154	-0.3802
41	0.0898	91	0.1838	155	0.2218
42	-0.0922	92	0.1598	156	0.2298
43	0.2258	93	0.1318	157	0.0598
44	0.2398	94	0.0878	158	0.5318
45	0.2458	95	-0.2112	159	0.3868
46	0.2408	96	-0.3022	160	0.3478
47	0.2508	97	-0.1552	161	0.2448
48	0.2538	98	0.2868	162	0.5228
49	0.2488	99	0.2548	163	0.4458
50	0.2378	100	0.0608	164	0.0418
51	0.2128	101	-0.0642	165	0.1748

ORF	CP	ORF	CP	ORF	CP
166	0.5828	217	0.0758	268	0.0408
167	0.4388	218	0.1478	269	0.3248
168	0.3908	219	0.1888	270	0.3998
169	0.2638	220	0.1918	271	-0.0502
170	0.2778	221	-0.3032	272	-0.0502
171	0.3998	222	-0.1372	273	0.3358
172	0.1848	223	0.1918	274	0.4008
173	0.2298	224	0.1758	275	0.4448
174	0.1248	225	0.4038	276	0.4948
175	-0.0582	226	0.2948	277	0.3778
176	-0.3112	227	-0.4562	278	-0.5062
177	-0.0772	228	-0.4102	279	-0.4552
178	-0.2052	229	-0.2872	280	-0.3762
179	-0.1822	230	-0.0802	281	-0.1692
180	-0.3472	231	0.0638	282	0.0558
181	0.3568	232	0.1258	283	0.1428
182	0.5348	233	0.1798	284	0.2018
183	0.6518	234	0.1978	285	0.1898
184	0.8488	235	0.0278	286	-0.0552
185	0.9268	236	-0.0622	287	-0.0832
186	0.9948	237	0.0778	288	0.3068
187	1.0818	238	0.1358	289	0.4018
188	1.1578	239	0.3778	290	0.3558
189	1.1968	240	0.2938	291	-0.2462
190	-0.3472	241	-0.2942	292	0.1778
191	-0.3652	242	-0.2622	325	0.0788
192	-0.3662	244	-0.0302	326	0.0778
193	-0.3672	245	0.0838	327	0.0778
194	-0.3472	246	0.1268	328	0.0788
195	-0.3532	247	0.1728	329	0.0788
196	-0.3542	248	0.1938	330	0.0778
197	-0.3472	249	0.1708	331	0.0778
198	-0.3442	250	0.0778	332	0.0788
199	-0.3442	251	-0.3362	333	0.0798
200	-0.3422	252	0.0978	334	0.0798
201	-0.3342	253	0.3928	335	0.0778
202	-0.3312	254	0.2968	336	0.0788
203	-0.3282	255	-0.4442	337	0.0778
204	-0.3292	256	-0.4022	338	0.0778
205	0.3518	257	-0.3242	339	0.0788
206	0.3998	258	-0.1462	340	0.0788
207	0.3888	259	0.0438	341	0.0788
208	0.3758	260	0.1348	350	-0.0872
210	0.4048	261	0.1898	351	0.0418
211	0.4688	262	0.2108	352	0.0708
212	0.3698	263	0.0558	353	0.0788
213	-0.4922	264	0.0978	354	0.0788
214	-0.3432	265	0.3258	355	0.0778
215	-0.2572	266	0.3648		
216	-0.0912	267	0.0228		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 247
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 19.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.199
TUNNEL DYNAMIC PRESSURE(PSF) = 761.
TUNNEL STAGNATION PRESSURE(PSF) = 1833.
TUNNEL STATIC PRESSURE(PSF) = 757.
REYNOLDS NUMBER PER FOOT = 3.9820E 06
MODEL ANGLE OF ATTACK(DEG) = -14.23
FIN ANGLE(DEG) = 0.27
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 543.

SCAN VALUE	CP(REF)
147	1.1303
247	1.1303
347	1.1303
447	1.1303
547	1.1273
647	1.1273
747	1.1273

ORF	CP	ORF	CP	ORF	CP
1	0.7213	52	0.4083	102	0.0973
2	0.4613	53	0.1463	103	-0.3527
3	0.5173	54	0.1873	104	-0.3317
4	0.5623	55	0.8033	105	-0.1867
5	0.5873	56	0.7413	110	-0.1597
6	0.5943	57	0.6933	111	-0.1357
7	0.5983	58	0.6583	112	-0.1157
8	0.5933	59	0.6233	113	-0.1867
9	0.5883	60	0.5763	114	-0.3117
10	0.5723	61	0.5263	115	-0.2187
11	0.5563	62	0.4633	116	-0.0957
12	0.5333	63	0.3663	117	-0.0327
13	0.4903	64	0.0163	118	-0.0327
14	0.3113	65	0.1643	119	-0.0597
15	0.2203	66	0.7873	120	-0.0357
16	0.6943	67	0.7233	121	-0.1547
17	0.6663	68	0.6663	122	-0.1647
18	0.6523	69	0.6143	123	-0.2557
19	0.6433	70	0.5673	124	-0.1957
20	0.6363	71	0.5113	125	-0.1747
21	0.6243	72	0.4343	126	-0.1517
22	0.6143	73	0.3133	127	-0.1657
23	0.5973	74	0.1403	128	-0.2507
24	0.5783	75	0.7653	129	-0.1857
25	0.5583	76	0.6833	135	-0.1357
26	0.5233	77	0.6123	136	-0.1387
27	0.4683	78	0.5453	137	-0.1427
28	0.3093	79	0.4673	138	-0.0087
29	0.1973	80	0.3803	139	0.0003
30	0.7693	81	0.2123	140	0.0003
32	0.6993	82	0.1113	141	0.1263
33	0.6773	83	0.6793	142	0.1303
34	0.6513	84	0.6333	143	0.1293
35	0.6313	85	0.5383	145	-0.1407
36	0.6103	86	0.4423	147	0.1283
37	0.5863	87	0.3453	151	0.3233
38	0.5563	88	0.2133	152	0.0223
39	0.5173	89	0.0743	153	-0.0367
40	0.4553	90	0.6203	154	-0.2767
41	0.3113	91	0.4433	155	0.2403
42	0.1893	92	0.3393	156	0.4073
43	0.8003	93	0.2573	157	0.2223
44	0.7453	94	0.1693	158	0.8133
45	0.7063	95	0.0263	159	0.5373
46	0.6783	96	-0.4547	160	0.5153
47	0.6503	97	-0.0547	161	0.4103
48	0.6163	98	-0.5767	162	0.7853
49	0.5823	99	-0.4057	163	0.6093
50	0.5413	100	-0.2117	164	-0.0057
51	0.4903	101	0.0313	165	0.3203

ORF	CP	ORF	CP	ORF	CP
166	0.6263	217	0.1453	268	0.1773
167	0.5533	218	0.3253	269	0.5863
168	0.4723	219	0.4573	270	0.7043
169	0.2973	220	0.4363	271	0.0763
170	0.6743	221	-0.1137	272	0.0603
171	0.3953	222	0.0693	273	0.5783
172	0.1373	223	0.3853	274	0.6723
173	0.3513	224	0.3763	275	0.5353
174	0.2383	225	0.6723	276	0.8763
175	-0.0307	226	0.5363	277	0.7623
176	-0.2547	227	-0.2427	278	-0.0057
177	0.0363	228	-0.2097	279	0.1793
178	-0.0867	229	-0.1597	280	0.3173
179	-0.0877	230	-0.0497	281	0.4983
180	-0.3797	231	0.1843	282	0.5783
181	0.7273	232	0.3533	283	0.5883
182	0.8863	233	0.4513	284	0.5813
183	0.5963	234	0.4483	285	0.4963
184	0.8113	235	0.2443	286	0.0413
185	1.0333	236	0.1583	287	0.1023
186	1.2303	237	0.2753	288	0.4903
187	1.3093	238	0.3493	289	0.5133
188	1.3263	239	0.6623	290	0.6353
189	1.2853	240	0.5953	291	-0.6287
190	-0.3497	241	-0.2217	292	-0.0007
191	-0.4087	242	-0.1427	325	-0.0087
192	-0.3637	244	0.1353	326	-0.0087
193	-0.3617	245	0.3283	327	-0.0077
194	-0.3497	246	0.4163	328	-0.0087
195	-0.4227	247	0.4733	329	-0.0107
196	-0.3787	248	0.4693	330	-0.0117
197	-0.3517	249	0.4273	331	-0.0087
198	-0.3547	250	-0.0087	332	-0.0067
199	-0.3627	251	-0.3517	333	-0.0077
200	-0.3697	252	0.2743	334	-0.0107
201	-0.3537	253	0.8103	335	-0.0107
202	-0.3477	254	0.6793	336	-0.0097
203	-0.3507	255	-0.0247	337	-0.0087
204	-0.3577	256	-0.0017	338	-0.0097
205	0.0063	257	0.0473	339	-0.0087
206	0.1293	258	0.1833	340	-0.0097
207	0.0393	259	0.4073	341	-0.0117
208	0.2213	260	0.4973	350	-0.0677
210	0.7753	261	0.5223	351	-0.0167
211	0.7363	262	0.5043	352	-0.0107
212	0.6073	263	0.2613	353	-0.0107
213	-0.2697	264	0.2563	354	-0.0087
214	-0.2027	265	0.5603	355	-0.0087
215	-0.1617	266	0.6553		
216	-0.0777	267	0.2133		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 248
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 19.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.205
TUNNEL DYNAMIC PRESSURE(PSF) = 763.
TUNNEL STAGNATION PRESSURE(PSF) = 1832.
TUNNEL STATIC PRESSURE(PSF) = 750.
REYNOLDS NUMBER PER FOOT = 3.9800E 06
MODEL ANGLE OF ATTACK(DEG) = -8.07
FIN ANGLE(DEG) = 0.09
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 543.

SCANIVALE	CP(REF)
147	1.1370
247	1.1360
347	1.1370
447	1.1370
547	1.1360
647	1.1360
747	1.1360

ORF	CP	ORF	CP	ORF	CP
1	0.5560	52	0.3360	102	0.0440
2	0.3050	53	0.0990	103	-0.3350
3	0.3080	54	-0.0040	104	-0.2940
4	0.3580	55	0.6280	105	-0.1720
5	0.3870	56	0.5800	110	-0.1210
6	0.4070	57	0.5510	111	-0.1150
7	0.4220	58	0.5270	112	-0.0710
8	0.4290	59	0.5010	113	-0.1520
9	0.4330	60	0.4700	114	-0.2430
10	0.4320	61	0.4280	115	-0.2010
11	0.4260	62	0.3770	116	-0.1330
12	0.4070	63	0.3000	117	-0.0530
13	0.3760	64	-0.0810	118	-0.0380
14	0.2280	65	-0.0410	119	-0.0650
15	0.1450	66	0.6440	120	0.0250
16	0.4360	67	0.5860	121	-0.0650
17	0.4190	68	0.5390	122	-0.0770
18	0.4240	69	0.4970	123	-0.2080
19	0.4440	70	0.4650	124	-0.0960
20	0.4520	71	0.4220	125	-0.0800
21	0.4500	72	0.3570	126	-0.0420
22	0.4440	73	0.2570	127	-0.0660
23	0.4470	74	-0.0670	128	-0.2370
24	0.4340	75	0.6420	129	-0.1550
25	0.4280	76	0.5690	135	-0.0620
26	0.4080	77	0.5080	136	-0.0710
27	0.3660	78	0.4470	137	-0.0620
28	0.2290	79	0.3830	138	0.0420
29	0.1070	80	0.3060	139	0.0450
30	0.5240	81	0.1630	140	0.0430
32	0.5050	82	-0.1050	141	0.1060
33	0.5000	83	0.5590	142	0.1040
34	0.4940	84	0.5180	143	0.1030
35	0.4860	85	0.4310	145	-0.0650
36	0.4760	86	0.3420	147	0.1070
37	0.4620	87	0.2520	151	0.2770
38	0.4480	88	0.1450	152	-0.0090
39	0.4230	89	-0.1490	153	-0.0890
40	0.3700	90	0.5080	154	-0.3180
41	0.2520	91	0.3340	155	0.2450
42	0.0820	92	0.2490	156	0.3810
43	0.5910	93	0.1850	157	0.1970
44	0.5530	94	0.1060	158	0.6840
45	0.5320	95	-0.1740	159	0.5040
46	0.5250	96	-0.3020	160	0.4750
47	0.5030	97	-0.0590	161	0.3720
48	0.4890	98	-0.2570	162	0.6510
49	0.4670	99	-0.2920	163	0.5240
50	0.4370	100	-0.2270	164	0.0400
51	0.3960	101	0.0020	165	0.2690

ORF	CP	ORF	CP	ORF	CP
166	0.5870	217	-0.0160	268	0.1370
167	0.5030	218	0.2460	269	0.4870
168	0.4380	219	0.4020	270	0.5820
169	0.2780	220	0.3840	271	0.0460
170	0.5480	221	-0.1730	272	0.0330
171	0.4320	222	-0.0480	273	0.4790
172	0.1780	223	0.3270	274	0.5620
173	0.3230	224	0.3390	275	0.3420
174	0.2080	225	0.5650	276	0.7190
175	-0.0240	226	0.4470	277	0.6330
176	-0.2550	227	-0.6750	278	-0.0440
177	0.0240	228	-0.5990	279	0.0660
178	-0.1090	229	-0.5100	280	0.2020
179	-0.0880	230	-0.3240	281	0.3310
180	-0.3590	231	0.0880	282	0.4000
181	0.5460	232	0.2880	283	0.4250
182	0.7170	233	0.3830	284	0.4490
183	0.6000	234	0.3940	285	0.3950
184	0.7780	235	0.1780	286	0.0210
185	0.9160	236	0.0870	287	0.0230
186	1.0280	237	0.2080	288	0.4290
187	1.1660	238	0.2900	289	0.4950
188	1.2660	239	0.5750	290	0.5330
189	1.3010	240	0.5150	291	-0.6220
190	-0.3360	241	-0.6250	292	0.0210
191	-0.3710	242	-0.5200	325	0.0440
192	-0.3450	244	-0.0800	326	0.0430
193	-0.3480	245	0.2040	327	0.0420
194	-0.3430	246	0.3190	328	0.0440
195	-0.3610	247	0.3890	329	0.0430
196	-0.3640	248	0.3990	330	0.0430
197	-0.3430	249	0.3550	331	0.0440
198	-0.3440	250	0.0470	332	0.0430
199	-0.3490	251	-0.3350	333	0.0450
200	-0.3430	252	0.2170	334	0.0440
201	-0.3330	253	0.6430	335	0.0440
202	-0.3330	254	0.5420	336	0.0440
203	-0.3340	255	-0.4150	337	0.0440
204	-0.3310	256	-0.2860	338	0.0430
205	0.2730	257	-0.1610	339	0.0420
206	0.2890	258	0.0840	340	0.0440
207	0.3120	259	0.2900	341	0.0430
208	0.3310	260	0.3630	350	-0.0620
210	0.6080	261	0.4100	351	0.0310
211	0.6500	262	0.4120	352	0.0470
212	0.5260	263	0.1990	353	0.0490
213	-0.5200	264	0.2080	354	0.0480
214	-0.4690	265	0.4790	355	0.0470
215	-0.4070	266	0.5430		
216	-0.3310	267	0.1510		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 249
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 19.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.202
TUNNEL DYNAMIC PRESSURE(PSF) = 763.
TUNNEL STAGNATION PRESSURE(PSF) = 1834.
TUNNEL STATIC PRESSURE(PSF) = 754.
REYNOLDS NUMBER PER FOOT = 3.9840E 06
MODEL ANGLE OF ATTACK(DEG) = -3.98
FIN ANGLE(DEG) = 0.03
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 543.

SCANIVALE	CP(REF)
147	1.1318
247	1.1308
347	1.1308
447	1.1318
547	1.1318
647	1.1318
747	1.1318

ORF	CP	ORF	CP	ORF	CP
1	0.2908	52	0.2508	102	0.0168
2	0.1228	53	0.0488	103	-0.4032
3	0.1538	54	-0.0552	104	-0.3602
4	0.1818	55	0.4568	105	-0.2192
5	0.2078	56	0.4278	110	-0.1412
6	0.2308	57	0.4128	111	-0.1512
7	0.2518	58	0.3988	112	-0.1172
8	0.2708	59	0.3808	113	-0.1752
9	0.2788	60	0.3668	114	-0.2202
10	0.2798	61	0.3368	115	-0.1722
11	0.2798	62	0.3018	116	-0.1092
12	0.2708	63	0.2448	117	-0.0592
13	0.2448	64	-0.1162	118	-0.0412
14	0.1398	65	-0.1012	119	-0.0612
15	0.0808	66	0.4968	120	0.0448
16	0.2408	67	0.4508	121	-0.0352
17	0.2468	68	0.4178	122	-0.0572
18	0.2498	69	0.3908	123	-0.2032
19	0.2498	70	0.3678	124	-0.0842
20	0.2708	71	0.3408	125	-0.0622
21	0.2808	72	0.2918	126	-0.0192
22	0.2828	73	0.2108	127	-0.0462
23	0.2948	74	-0.1312	128	-0.2322
24	0.2918	75	0.5088	129	-0.1602
25	0.2888	76	0.4558	135	-0.0422
26	0.2698	77	0.4128	136	-0.0492
27	0.2388	78	0.3698	137	-0.0522
28	0.1348	79	0.3138	138	0.0528
29	0.0548	80	0.2438	139	0.0528
30	0.3108	81	0.1218	140	0.0528
32	0.3028	82	-0.1622	141	0.1158
33	0.3108	83	0.4498	142	0.1148
34	0.3128	84	0.4158	143	0.1068
35	0.3178	85	0.3418	145	-0.0492
36	0.3198	86	0.2638	147	0.1078
37	0.3158	87	0.2008	151	0.1818
38	0.3048	88	0.1138	152	-0.0342
39	0.2878	89	-0.1892	153	-0.1582
40	0.2478	90	0.3998	154	-0.3392
41	0.1538	91	0.2458	155	0.3028
42	0.0238	92	0.1918	156	0.2348
43	0.3758	93	0.1508	157	0.0768
44	0.3658	94	0.0868	158	0.5318
45	0.3688	95	-0.2062	159	0.3738
46	0.3628	96	-0.1922	160	0.3418
47	0.3648	97	-0.1232	161	0.2378
48	0.3538	98	0.2368	162	0.4808
49	0.3448	99	0.1078	163	0.3878
50	0.3248	100	0.0618	164	0.0518
51	0.2958	101	-0.0312	165	0.1458

ORF	CP	ORF	CP	ORF	CP
166	0.4748	217	-0.0512	268	0.1188
167	0.3758	218	0.1668	269	0.3568
168	0.3108	219	0.3038	270	0.4468
169	0.1648	220	0.3018	271	0.0058
170	0.4238	221	-0.2372	272	0.0578
171	0.3318	222	-0.0832	273	0.3868
172	0.0948	223	0.2678	274	0.4318
173	0.2828	224	0.2668	275	0.4028
174	0.1538	225	0.4778	276	0.4418
175	-0.0242	226	0.3648	277	0.3518
176	-0.2722	227	-0.6902	278	-0.1342
177	-0.0282	228	-0.6082	279	-0.0822
178	-0.1102	229	-0.4852	280	0.0388
179	-0.0122	230	-0.2482	281	0.1498
180	-0.3452	231	0.0338	282	0.2218
181	0.3318	232	0.1898	283	0.2478
182	0.4818	233	0.2878	284	0.2868
183	0.5628	234	0.3008	285	0.2578
184	0.7258	235	0.1098	286	-0.0222
185	0.7968	236	0.0248	287	0.0358
186	0.8798	237	0.1458	288	0.3708
187	0.9648	238	0.2188	289	0.4048
188	1.0748	239	0.4648	290	0.3858
189	1.1078	240	0.3918	291	-0.4742
190	-0.3792	241	-0.5502	292	0.1008
191	-0.3672	242	-0.4582	325	0.0638
192	-0.3842	244	-0.1062	326	0.0648
193	-0.3852	245	0.1048	327	0.0648
194	-0.3922	246	0.1988	328	0.0658
195	-0.3512	247	0.2718	329	0.0658
196	-0.3442	248	0.2888	330	0.0648
197	-0.3432	249	0.2668	331	0.0658
198	-0.3322	250	0.0708	332	0.0658
199	-0.3312	251	-0.3152	333	0.0668
200	-0.3342	252	0.1368	334	0.0668
201	-0.3182	253	0.4048	335	0.0668
202	-0.3222	254	0.3158	336	0.0648
203	-0.3202	255	-0.2112	337	0.0638
204	-0.3132	256	-0.1352	338	0.0648
205	0.3368	257	-0.0542	339	0.0648
206	0.3808	258	0.0908	340	0.0658
207	0.3818	259	0.1578	341	0.0658
208	0.3738	260	0.2108	350	-0.0582
210	0.5208	261	0.2588	351	0.0528
211	0.5568	262	0.2718	352	0.0658
212	0.4568	263	0.1418	353	0.0698
213	-0.5242	264	0.1688	354	0.0708
214	-0.4572	265	0.3398	355	0.0698
215	-0.3862	266	0.3998		
216	-0.2892	267	0.1008		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 250
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 19.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.200
TUNNEL DYNAMIC PRESSURE(PSF) = 767.
TUNNEL STAGNATION PRESSURE(PSF) = 1845.
TUNNEL STATIC PRESSURE(PSF) = 761.
REYNOLDS NUMBER PER FOOT = 4.0010E 06
MODEL ANGLE OF ATTACK(DEG) = 0.10
FIN ANGLE(DEG) = -0.02
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 544.

SCANIVALE	CP(REF)
147	1.1148
247	1.1138
347	1.1148
447	1.1158
547	1.1138
647	1.1148
747	1.1148

ORF	CP	ORF	CP	ORF	CP
1	0.3358	52	0.1708	102	-0.0352
2	-0.0682	53	-0.0242	103	-0.3942
3	-0.3472	54	-0.1712	104	-0.3822
4	-0.2242	55	0.2898	105	-0.2212
5	-0.0222	56	0.2908	110	-0.1532
6	0.1158	57	0.2708	111	-0.1422
7	0.1698	58	0.2648	112	-0.1222
8	0.1958	59	0.2548	113	-0.1792
9	0.2058	60	0.2458	114	-0.2212
10	0.2138	61	0.2298	115	-0.1962
11	0.2058	62	0.2048	116	-0.1862
12	0.2068	63	0.1538	117	-0.1342
13	0.1918	64	-0.1682	118	-0.0872
14	0.0708	65	-0.1712	119	-0.0842
15	-0.0102	66	0.2988	120	0.0618
16	0.0478	67	0.2908	121	-0.0392
17	-0.1492	68	0.2758	122	-0.0592
18	-0.2492	69	0.2668	123	-0.1972
19	0.0098	70	0.2438	124	-0.0952
20	0.1568	71	0.2198	125	-0.0722
21	0.2078	72	0.1898	126	-0.0362
22	0.2238	73	0.1238	127	-0.0592
23	0.2198	74	-0.1892	128	-0.2392
24	0.2138	75	0.3178	129	-0.1572
25	0.2188	76	0.2908	135	-0.0362
26	0.2098	77	0.2638	136	-0.0402
27	0.1828	78	0.2458	137	-0.0412
28	0.0698	79	0.2098	138	0.0598
29	-0.0602	80	0.1518	139	0.0548
30	-0.0212	81	0.0538	140	0.0438
32	-0.0582	82	-0.2022	141	0.1078
33	0.1948	83	0.2768	142	0.1078
34	0.2408	84	0.2748	143	0.1108
35	0.2438	85	0.2318	145	-0.0422
36	0.2438	86	0.1718	147	0.1078
37	0.2308	87	0.1428	151	0.1738
38	0.2258	88	0.0768	152	-0.1042
39	0.2138	89	-0.2092	153	-0.1822
40	0.1868	90	0.2498	154	-0.3852
41	0.0918	91	0.1948	155	0.1498
42	-0.1222	92	0.1558	156	0.2548
43	0.0268	93	0.1278	157	0.0788
44	0.1348	94	0.0858	158	0.5488
45	0.2608	95	-0.2112	159	0.4148
46	0.2668	96	-0.3512	160	0.3578
47	0.2558	97	-0.1732	161	0.2618
48	0.2458	98	0.2608	162	0.5258
49	0.2388	99	0.2658	163	0.4438
50	0.2318	100	0.0628	164	0.0538
51	0.2058	101	-0.0622	165	0.1778

ORF	CP	ORF	CP	ORF	CP
166	0.6028	217	0.1008	268	0.0238
167	0.4178	218	0.1338	269	0.3278
168	0.3798	219	0.1688	270	0.3988
169	0.2458	220	0.1668	271	-0.0432
170	0.3658	221	-0.2982	272	-0.0632
171	0.3208	222	-0.1312	273	0.3068
172	0.0868	223	0.1768	274	0.3798
173	0.1838	224	0.1618	275	0.4718
174	0.0648	225	0.3998	276	0.5468
175	-0.1482	226	0.2858	277	0.4168
176	-0.3292	227	-0.4092	278	-0.5732
177	-0.0582	228	-0.3282	279	-0.5052
178	-0.1912	229	-0.2042	280	-0.4232
179	-0.1972	230	-0.0512	281	-0.3062
180	-0.3482	231	0.0818	282	-0.0792
181	0.3978	232	0.1198	283	0.1178
182	0.5878	233	0.1618	284	0.2138
183	0.6128	234	0.1798	285	0.1978
184	0.7898	235	0.0168	286	-0.0562
185	0.8668	236	-0.0812	287	-0.0962
186	0.8738	237	0.0648	288	0.2558
187	0.9218	238	0.1248	289	0.3998
188	0.9788	239	0.3628	290	0.3628
189	1.0468	240	0.2798	291	-0.2352
190	-0.3482	241	-0.3252	292	0.1908
191	-0.3672	242	-0.2802	325	0.0898
192	-0.3572	244	-0.0602	326	0.0908
193	-0.3612	245	0.0578	327	0.0898
194	-0.3532	246	0.1078	328	0.0888
195	-0.3552	247	0.1578	329	0.0888
196	-0.3562	248	0.1858	330	0.0898
197	-0.3462	249	0.1638	331	0.0908
198	-0.3472	250	0.0928	332	0.0908
199	-0.3452	251	-0.3342	333	0.0898
200	-0.3402	252	0.1178	334	0.0888
201	-0.3362	253	0.4248	335	0.0908
202	-0.3342	254	0.3328	336	0.0898
203	-0.3302	255	-0.6652	337	0.0908
204	-0.3272	256	-0.5902	338	0.0908
205	0.3498	257	-0.4952	339	0.0898
206	0.3878	258	-0.2622	340	0.0898
207	0.3858	259	0.0518	341	0.0888
208	0.3848	260	0.1328	350	-0.0862
210	0.3778	261	0.1928	351	0.0728
211	0.4518	262	0.2198	352	0.0898
212	0.3558	263	0.0358	353	0.0928
213	-0.3962	264	0.0968	354	0.0938
214	-0.2822	265	0.3538	355	0.0918
215	-0.1822	266	0.3848		
216	-0.0142	267	0.0068		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 251
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 19.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.200
TUNNEL DYNAMIC PRESSURE(PSF) = 768.
TUNNEL STAGNATION PRESSURE(PSF) = 1849.
TUNNEL STATIC PRESSURE(PSF) = 763.
REYNOLDS NUMBER PER FOOT = 4.0010E 06
MODEL ANGLE OF ATTACK(DEG) = 1.01
FIN ANGLE(DEG) = -0.07
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 545.

SCANIVALE	CP(REF)
147	1.1105
247	1.1095
347	1.1105
447	1.1105
547	1.1085
647	1.1075
747	1.1075

ORF	CP	ORF	CP	ORF	CP
1	0.3275	52	0.1405	102	-0.0435
2	-0.0825	53	-0.0525	103	-0.4145
3	-0.3365	54	-0.1785	104	-0.4005
4	-0.2125	55	0.1285	105	-0.2435
5	-0.0785	56	0.2405	110	-0.1505
6	0.0455	57	0.2445	111	-0.1405
7	0.1215	58	0.2265	112	-0.1195
8	0.1605	59	0.2165	113	-0.1785
9	0.1835	60	0.2105	114	-0.2155
10	0.1885	61	0.1975	115	-0.2055
11	0.1905	62	0.1695	116	-0.1395
12	0.1915	63	0.1265	117	-0.0825
13	0.1795	64	-0.1825	118	-0.0775
14	0.0555	65	-0.1905	119	-0.0815
15	-0.0265	66	0.2365	120	0.0655
16	0.0405	67	0.2335	121	-0.0295
17	-0.1465	68	0.2275	122	-0.0475
18	-0.2165	69	0.2245	123	-0.1955
19	-0.0855	70	0.2065	124	-0.1045
20	0.1055	71	0.1885	125	-0.0755
21	0.1705	72	0.1605	126	-0.0435
22	0.1925	73	0.1025	127	-0.0695
23	0.1985	74	-0.2025	128	-0.2365
24	0.2065	75	0.2345	129	-0.1565
25	0.1955	76	0.2295	135	-0.0335
26	0.1885	77	0.2165	136	-0.0375
27	0.1585	78	0.2045	137	-0.0405
28	0.0525	79	0.1815	138	0.0575
29	-0.0675	80	0.1265	139	0.0525
30	-0.0235	81	0.0365	140	0.0555
32	-0.0745	82	-0.2045	141	0.1135
33	0.1105	83	0.2165	142	0.1115
34	0.1955	84	0.2235	143	0.1125
35	0.2185	85	0.1975	145	-0.0355
36	0.2165	86	0.1575	147	0.1105
37	0.2085	87	0.1325	151	0.1915
38	0.2015	88	0.0615	152	-0.0895
39	0.1905	89	-0.2165	153	-0.1795
40	0.1545	90	0.2095	154	-0.3545
41	0.0565	91	0.1675	155	0.1105
42	-0.1145	92	0.1455	156	0.2575
43	-0.0185	93	0.1185	157	0.0875
44	0.0275	94	0.0675	158	0.5135
45	0.1785	95	-0.2195	159	0.3955
46	0.2275	96	-0.1935	160	0.3305
47	0.2285	97	-0.1965	161	0.2245
48	0.2265	98	0.2125	162	0.4725
49	0.2085	99	0.2505	163	0.3995
50	0.1995	100	0.0385	164	0.0615
51	0.1795	101	-0.0675	165	0.1445

ORF	CP	ORF	CP	ORF	CP
166	0.5575	217	0.0905	268	0.0175
167	0.3725	218	0.1085	269	0.3175
168	0.3235	219	0.1335	270	0.3845
169	0.2095	220	0.1425	271	-0.0565
170	0.4085	221	-0.2985	272	-0.0615
171	0.2565	222	-0.1495	273	0.3075
172	0.0395	223	0.1475	274	0.3555
173	0.1435	224	0.1285	275	0.4445
174	0.0425	225	0.3815	276	0.5295
175	-0.1985	226	0.2735	277	0.4085
176	-0.3215	227	-0.3885	278	-0.5845
177	-0.0335	228	-0.3095	279	-0.5185
178	-0.1525	229	-0.2015	280	-0.4355
179	-0.1665	230	-0.0525	281	-0.2895
180	-0.3385	231	0.0675	282	-0.1155
181	0.4095	232	0.0975	283	0.0765
182	0.5795	233	0.1325	284	0.1805
183	0.5295	234	0.1495	285	0.1775
184	0.6935	235	-0.0055	286	-0.0685
185	0.7435	236	-0.0915	287	-0.1035
186	0.7375	237	0.0475	288	0.2715
187	0.7675	238	0.0995	289	0.3695
188	0.8175	239	0.3525	290	0.3545
189	0.8335	240	0.2795	291	-0.2855
190	-0.3365	241	-0.4205	292	0.1905
191	-0.3585	242	-0.3455	325	0.0945
192	-0.3535	244	-0.1005	326	0.0935
193	-0.3555	245	0.0255	327	0.0935
194	-0.3455	246	0.0755	328	0.0935
195	-0.3495	247	0.1355	329	0.0925
196	-0.3535	248	0.1655	330	0.0945
197	-0.3445	249	0.1465	331	0.0945
198	-0.3425	250	0.0945	332	0.0935
199	-0.3435	251	-0.3245	333	0.0935
200	-0.3315	252	0.1125	334	0.0935
201	-0.3315	253	0.4475	335	0.0945
202	-0.3255	254	0.3635	336	0.0945
203	-0.3245	255	-0.6905	337	0.0945
204	-0.3185	256	-0.6115	338	0.0945
205	0.3385	257	-0.5315	339	0.0925
206	0.3645	258	-0.3575	340	0.0935
207	0.3665	259	-0.0105	341	0.0925
208	0.3675	260	0.1135	350	-0.0815
210	0.3485	261	0.1695	351	0.0805
211	0.4215	262	0.2075	352	0.0935
212	0.3265	263	0.0065	353	0.0945
213	-0.3475	264	0.0905	354	0.0975
214	-0.2165	265	0.3415	355	0.0955
215	-0.1405	266	0.3635		
216	-0.0005	267	-0.0185		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 252
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 19.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.198
TUNNEL DYNAMIC PRESSURE(PSF) = 769.
TUNNEL STAGNATION PRESSURE(PSF) = 1852.
TUNNEL STATIC PRESSURE(PSF) = 766.
REYNOLDS NUMBER PER FOOT = 4.0030E 06
MODEL ANGLE OF ATTACK(DEG) = 2.04
FIN ANGLE(DEG) = 0.15
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 545.

SCANIVALE	CP(REF)
147	1.1049
247	1.1039
347	1.1049
447	1.1049
547	1.1019
647	1.1009
747	1.1019

ORF	CP	ORF	CP	ORF	CP
1	0.2739	52	0.0889	102	-0.0561
2	-0.1171	53	-0.0931	103	-0.4361
3	-0.3341	54	-0.1681	104	-0.4141
4	-0.1951	55	-0.0001	105	-0.2741
5	-0.0721	56	0.1029	110	-0.1511
6	0.0059	57	0.1639	111	-0.1391
7	0.0729	58	0.1789	112	-0.1221
8	0.1089	59	0.1739	113	-0.1791
9	0.1279	60	0.1679	114	-0.2231
10	0.1379	61	0.1499	115	-0.1931
11	0.1499	62	0.1269	116	-0.1371
12	0.1519	63	0.0819	117	-0.0861
13	0.1339	64	-0.2081	118	-0.0831
14	0.0199	65	-0.2151	119	-0.0881
15	-0.0561	66	0.0529	120	0.0589
16	0.0169	67	0.1759	121	-0.0371
17	-0.1331	68	0.1849	122	-0.0561
18	-0.1801	69	0.1769	123	-0.1971
19	-0.0671	70	0.1679	124	-0.1201
20	0.0349	71	0.1539	125	-0.0861
21	0.0939	72	0.1279	126	-0.0471
22	0.1219	73	0.0689	127	-0.0741
23	0.1399	74	-0.2151	128	-0.2391
24	0.1479	75	0.0839	129	-0.1611
25	0.1519	76	0.1639	135	-0.0441
26	0.1419	77	0.1789	136	-0.0461
27	0.1159	78	0.1659	137	-0.0471
28	0.0039	79	0.1489	138	0.0449
29	-0.0801	80	0.1069	139	0.0529
30	-0.0441	81	0.0199	140	0.0479
32	-0.0811	82	-0.2151	141	0.1079
33	0.0289	83	0.1029	142	0.1089
34	0.0909	84	0.1679	143	0.1089
35	0.1369	85	0.1619	145	-0.0481
36	0.1429	86	0.1279	147	0.1029
37	0.1549	87	0.1049	151	0.1859
38	0.1549	88	0.0369	152	-0.0891
39	0.1429	89	-0.2191	153	-0.1921
40	0.1059	90	0.0989	154	-0.3391
41	0.0089	91	0.1499	155	0.0839
42	-0.1091	92	0.1239	156	0.2239
43	-0.0541	93	0.0959	157	0.0659
44	-0.0471	94	0.0469	158	0.4449
45	0.0429	95	-0.2271	159	0.3359
46	0.1339	96	-0.0781	160	0.2639
47	0.1559	97	-0.2011	161	0.1599
48	0.1679	98	0.2019	162	0.4109
49	0.1619	99	0.2479	163	0.3219
50	0.1559	100	0.0179	164	0.0479
51	0.1339	101	-0.0841	165	0.0829

ORF	CP	ORF	CP	ORF	CP
166	0.4889	217	0.0709	268	0.0169
167	0.2989	218	0.0849	269	0.2849
168	0.2579	219	0.1089	270	0.3439
169	0.1429	220	0.1069	271	-0.0711
170	0.3949	221	-0.3061	272	-0.0521
171	0.2009	222	-0.1771	273	0.2769
172	-0.0011	223	0.1119	274	0.3249
173	0.1259	224	0.1009	275	0.4349
174	0.0369	225	0.3579	276	0.4769
175	-0.1911	226	0.2529	277	0.3489
176	-0.3121	227	-0.4011	278	-0.6221
177	-0.0341	228	-0.3101	279	-0.5541
178	-0.1211	229	-0.2291	280	-0.4501
179	-0.1221	230	-0.0861	281	-0.2891
180	-0.3381	231	0.0369	282	-0.1101
181	0.3529	232	0.0669	283	0.0309
182	0.5119	233	0.1059	284	0.1359
183	0.4989	234	0.1189	285	0.1369
184	0.6049	235	-0.0321	286	-0.0771
185	0.6289	236	-0.1061	287	-0.1051
186	0.6219	237	0.0189	288	0.2609
187	0.6359	238	0.0789	289	0.3299
188	0.6569	239	0.3569	290	0.3179
189	0.6979	240	0.2879	291	-0.3891
190	-0.3451	241	-0.5881	292	0.2039
191	-0.3641	242	-0.4851	325	0.0859
192	-0.3511	244	-0.1731	326	0.0859
193	-0.3581	245	-0.0181	327	0.0869
194	-0.3601	246	0.0459	328	0.0899
195	-0.3511	247	0.1109	329	0.0869
196	-0.3561	248	0.1459	330	0.0869
197	-0.3411	249	0.1269	331	0.0869
198	-0.3391	250	0.0869	332	0.0879
199	-0.3451	251	-0.3301	333	0.0899
200	-0.3311	252	0.0939	334	0.0879
201	-0.3271	253	0.4539	335	0.0879
202	-0.3261	254	0.3729	336	0.0859
203	-0.3281	255	-0.6991	337	0.0869
204	-0.3231	256	-0.6241	338	0.0859
205	0.3309	257	-0.5371	339	0.0879
206	0.3509	258	-0.4101	340	0.0899
207	0.3589	259	-0.0821	341	0.0869
208	0.3579	260	0.0769	350	-0.0891
210	0.3449	261	0.1429	351	0.0739
211	0.3869	262	0.1789	352	0.0849
212	0.2909	263	-0.0281	353	0.0869
213	-0.3821	264	0.0809	354	0.0869
214	-0.2361	265	0.3119	355	0.0869
215	-0.1451	266	0.3309		
216	-0.0091	267	-0.0451		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 253
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 19.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.197
TUNNEL DYNAMIC PRESSURE(PSF) = 770.
TUNNEL STAGNATION PRESSURE(PSF) = 1854.
TUNNEL STATIC PRESSURE(PSF) = 768.
REYNOLDS NUMBER PER FOOT = 3.9970E 06
MODEL ANGLE OF ATTACK(DEG) = 4.01
FIN ANGLE(DEG) = 0.37
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCAN VALUE	CP(REF)
147	1.1026
247	1.1026
347	1.1026
447	1.1036
547	1.0976
647	1.0976
747	1.0976

ORF	CP	ORF	CP	ORF	CP
1	0.1896	52	-0.0094	102	-0.0714
2	-0.1794	53	-0.1564	103	-0.4684
3	-0.2894	54	-0.1264	104	-0.4594
4	-0.1404	55	-0.2554	105	-0.3264
5	-0.0824	56	-0.1104	110	-0.1344
6	-0.0484	57	-0.0304	111	-0.1264
7	-0.0144	58	0.0016	112	-0.1164
8	0.0106	59	0.0306	113	-0.1734
9	0.0276	60	0.0466	114	-0.2284
10	0.0416	61	0.0476	115	-0.2124
11	0.0556	62	0.0386	116	-0.1934
12	0.0616	63	0.0016	117	-0.1354
13	0.0526	64	-0.2494	118	-0.0924
14	-0.0564	65	-0.2174	119	-0.0954
15	-0.1034	66	-0.3154	120	0.0516
16	-0.0454	67	-0.0974	121	-0.0504
17	-0.1544	68	-0.0154	122	-0.0614
18	-0.1154	69	0.0376	123	-0.1894
19	-0.0804	70	0.0566	124	-0.1194
20	-0.0494	71	0.0586	125	-0.0954
21	-0.0204	72	0.0506	126	-0.0624
22	0.0046	73	0.0016	127	-0.0804
23	0.0196	74	-0.2414	128	-0.2324
24	0.0376	75	-0.3954	129	-0.1554
25	0.0486	76	-0.1394	135	-0.0564
26	0.0446	77	0.0246	136	-0.0554
27	0.0186	78	0.0816	137	-0.0594
28	-0.0794	79	0.0746	138	0.0496
29	-0.1034	80	0.0616	139	0.0476
30	-0.0914	81	-0.0184	140	0.0396
32	-0.0794	82	-0.2254	141	0.1016
33	-0.0564	83	-0.3004	142	0.1016
34	-0.0194	84	-0.1974	143	0.0966
35	0.0006	85	-0.0214	145	-0.0604
36	0.0186	86	0.0806	147	0.0986
37	0.0326	87	0.0966	151	0.1616
38	0.0456	88	0.0436	152	-0.1034
39	0.0296	89	-0.2184	153	-0.2144
40	0.0026	90	-0.3144	154	-0.3404
41	-0.0804	91	-0.2014	155	0.0386
42	-0.1024	92	-0.0484	156	0.1366
43	-0.1734	93	0.0456	157	0.0076
44	-0.1024	94	0.0466	158	0.3266
45	-0.0544	95	-0.2064	159	0.2376
46	-0.0174	96	-0.0474	160	0.1666
47	0.0076	97	-0.1734	161	0.0516
48	0.0246	98	0.2276	162	0.3266
49	0.0386	99	0.2666	163	0.2396
50	0.0416	100	-0.0444	164	0.0506
51	0.0266	101	-0.0944	165	0.0156

ORF	CP	ORF	CP	ORF	CP
166	0.4126	217	-0.0174	268	-0.0114
167	0.2606	218	0.0186	269	0.2206
168	0.2306	219	0.0606	270	0.2636
169	0.1196	220	0.0736	271	-0.0884
170	0.3396	221	-0.3414	272	-0.0594
171	0.2006	222	-0.2324	273	0.2236
172	0.0036	223	0.0786	274	0.2626
173	0.1186	224	0.0726	275	0.3956
174	0.0316	225	0.3366	276	0.3906
175	-0.1664	226	0.2296	277	0.2656
176	-0.3054	227	-0.5884	278	-0.6374
177	-0.0654	228	-0.5144	279	-0.5744
178	-0.1144	229	-0.3754	280	-0.4524
179	-0.1074	230	-0.1804	281	-0.2754
180	-0.3304	231	-0.0484	282	-0.0874
181	0.2766	232	-0.0014	283	-0.0394
182	0.4426	233	0.0576	284	0.0316
183	0.4086	234	0.0806	285	0.0586
184	0.4976	235	-0.0734	286	-0.0914
185	0.5076	236	-0.1294	287	-0.1044
186	0.5196	237	-0.0214	288	0.2146
187	0.5476	238	0.0436	289	0.2706
188	0.6096	239	0.3956	290	0.2506
189	0.6706	240	0.3306	291	-0.5544
190	-0.3444	241	-0.7174	292	0.2596
191	-0.3764	242	-0.6354	325	0.0846
192	-0.3474	244	-0.3634	326	0.0846
193	-0.3514	245	-0.1444	327	0.0836
194	-0.3314	246	-0.0054	328	0.0846
195	-0.3484	247	0.0616	329	0.0846
196	-0.3564	248	0.1106	330	0.0836
197	-0.3434	249	0.0786	331	0.0856
198	-0.3394	250	0.0806	332	0.0836
199	-0.3434	251	-0.3354	333	0.0836
200	-0.3374	252	0.0466	334	0.0846
201	-0.3254	253	0.4366	335	0.0836
202	-0.3214	254	0.3326	336	0.0856
203	-0.3264	255	-0.7174	337	0.0846
204	-0.3274	256	-0.6494	338	0.0836
205	0.3136	257	-0.5894	339	0.0836
206	0.3396	258	-0.4654	340	0.0846
207	0.3386	259	-0.1444	341	0.0836
208	0.3276	260	-0.0054	350	-0.0924
210	0.3676	261	0.0506	351	0.0636
211	0.3696	262	0.1006	352	0.0806
212	0.2596	263	-0.0724	353	0.0826
213	-0.5064	264	0.0336	354	0.0816
214	-0.4234	265	0.2406	355	0.0826
215	-0.3274	266	0.2566		
216	-0.1344	267	-0.0804		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 254
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 19.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.198
TUNNEL DYNAMIC PRESSURE(PSF) = 770.
TUNNEL STAGNATION PRESSURE(PSF) = 1854.
TUNNEL STATIC PRESSURE(PSF) = 767.
REYNOLDS NUMBER PER FOOT = 3.9960E 06
MODEL ANGLE OF ATTACK(DEG) = 6.00
FIN ANGLE(DEG) = 0.50
FREE*STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	1.1029
247	1.1019
347	1.1019
447	1.1039
547	1.1009
647	1.0999
747	1.0999

ORF	CP	ORF	CP	ORF	CP
1	0.1419	52	-0.0941	102	-0.1141
2	-0.2101	53	-0.2111	103	-0.5081
3	-0.2891	54	-0.1571	104	-0.5051
4	-0.1441	55	-0.4181	105	-0.3791
5	-0.0881	56	-0.3041	110	-0.1081
6	-0.0721	57	-0.1891	111	-0.1081
7	-0.0561	58	-0.1081	112	-0.1011
8	-0.0441	59	-0.0621	113	-0.1601
9	-0.0311	60	-0.0411	114	-0.2291
10	-0.0141	61	-0.0381	115	-0.1921
11	-0.0021	62	-0.0531	116	-0.1191
12	0.0069	63	-0.0831	117	-0.0781
13	0.0019	64	-0.3111	118	-0.0791
14	-0.1051	65	-0.2721	119	-0.0841
15	-0.1531	66	-0.4601	120	0.0529
16	-0.0941	67	-0.3601	121	-0.0441
17	-0.1761	68	-0.2661	122	-0.0641
18	-0.1231	69	-0.1711	123	-0.1741
19	-0.0911	70	-0.0901	124	-0.1161
20	-0.0851	71	-0.0571	125	-0.0921
21	-0.0731	72	-0.0541	126	-0.0591
22	-0.0521	73	-0.0891	127	-0.0761
23	-0.0411	74	-0.2991	128	-0.2081
24	-0.0271	75	-0.4811	129	-0.1391
25	-0.0181	76	-0.3951	135	-0.0621
26	-0.0171	77	-0.3241	136	-0.0631
27	-0.0401	78	-0.2371	137	-0.0631
28	-0.1381	79	-0.1561	138	0.0419
29	-0.1561	80	-0.0931	139	0.0429
30	-0.1381	81	-0.1401	140	0.0479
32	-0.1091	82	-0.2581	141	0.1039
33	-0.0921	83	-0.3721	142	0.1039
34	-0.0811	84	-0.4181	143	0.0969
35	-0.0591	85	-0.3681	145	-0.0571
36	-0.0451	86	-0.2951	147	0.1029
37	-0.0341	87	-0.2051	151	0.1289
38	-0.0321	88	-0.1541	152	-0.1281
39	-0.0391	89	-0.2281	153	-0.2381
40	-0.0681	90	-0.4631	154	-0.3431
41	-0.1501	91	-0.4161	155	0.0249
42	-0.1441	92	-0.3491	156	0.0779
43	-0.3441	93	-0.3021	157	-0.0541
44	-0.1941	94	-0.2781	158	0.2499
45	-0.1071	95	-0.3001	159	0.1739
46	-0.0701	96	-0.0391	160	0.1129
47	-0.0521	97	-0.1851	161	-0.0121
48	-0.0421	98	0.2669	162	0.3069
49	-0.0331	99	0.3119	163	0.2129
50	-0.0381	100	-0.0771	164	0.0449
51	-0.0561	101	-0.1431	165	-0.0041

ORF	CP	ORF	CP	ORF	CP
166	0.4119	217	-0.1271	268	-0.0561
167	0.2879	218	-0.0461	269	0.1719
168	0.2609	219	0.0229	270	0.2009
169	0.1549	220	0.0689	271	-0.1271
170	0.3079	221	-0.3791	272	-0.0991
171	0.2199	222	-0.2751	273	0.1869
172	0.0309	223	0.0619	274	0.2199
173	0.1309	224	0.0709	275	0.3599
174	0.0379	225	0.3439	276	0.3429
175	-0.1491	226	0.2379	277	0.2169
176	-0.3061	227	-0.7401	278	-0.6091
177	-0.0971	228	-0.6731	279	-0.5511
178	-0.1821	229	-0.5921	280	-0.4431
179	-0.1341	230	-0.3261	281	-0.2451
180	-0.3291	231	-0.1441	282	-0.0861
181	0.2069	232	-0.0661	283	-0.0621
182	0.3719	233	0.0289	284	-0.0151
183	0.3889	234	0.0819	285	0.0089
184	0.4879	235	-0.0961	286	-0.1321
185	0.5179	236	-0.1421	287	-0.1261
186	0.5579	237	-0.0311	288	0.1839
187	0.6159	238	0.0499	289	0.2519
188	0.7219	239	0.4029	290	0.2049
189	0.8099	240	0.3249	291	-0.5601
190	-0.3301	241	-0.7311	292	0.3419
191	-0.3811	242	-0.6431	325	0.0879
192	-0.3431	244	-0.4021	326	0.0879
193	-0.3471	245	-0.2601	327	0.0889
194	-0.3341	246	-0.0451	328	0.0869
195	-0.3621	247	0.0249	329	0.0859
196	-0.3611	248	0.0819	330	0.0859
197	-0.3401	249	0.0429	331	0.0889
198	-0.3361	250	0.0859	332	0.0889
199	-0.3441	251	-0.3331	333	0.0869
200	-0.3421	252	0.0009	334	0.0859
201	-0.3261	253	0.4089	335	0.0859
202	-0.3221	254	0.2889	336	0.0879
203	-0.3251	255	-0.7321	337	0.0879
204	-0.3271	256	-0.6741	338	0.0889
205	0.3109	257	-0.6141	339	0.0889
206	0.3399	258	-0.4961	340	0.0859
207	0.3379	259	-0.1561	341	0.0859
208	0.3279	260	-0.0371	350	-0.0831
210	0.4129	261	-0.0131	351	0.0709
211	0.3889	262	0.0509	352	0.0859
212	0.2719	263	-0.1211	353	0.0869
213	-0.5931	264	-0.0261	354	0.0869
214	-0.5491	265	0.1859	355	0.0879
215	-0.4751	266	0.2049		
216	-0.3631	267	-0.1221		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 255
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 19.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.200
TUNNEL DYNAMIC PRESSURE(PSF) = 771.
TUNNEL STAGNATION PRESSURE(PSF) = 1855.
TUNNEL STATIC PRESSURE(PSF) = 765.
REYNOLDS NUMBER PER FOOT = 3.9930E 06
MODEL ANGLE OF ATTACK(DEG) = 7.91
FIN ANGLE(DEG) = 0.58
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 547.

SCANIVALE	CP(REF)
147	1.1038
247	1.1028
347	1.1038
447	1.1048
547	1.1038
647	1.1028
747	1.1038

ORF	CP	ORF	CP	ORF	CP
1	0.1178	52	-0.1442	102	-0.1632
2	-0.1942	53	-0.2622	103	-0.5562
3	-0.2442	54	-0.1972	104	-0.5532
4	-0.1322	55	-0.4812	105	-0.4452
5	-0.0762	56	-0.4152	110	-0.0752
6	-0.0522	57	-0.2742	111	-0.0812
7	-0.0432	58	-0.1502	112	-0.0782
8	-0.0362	59	-0.0752	113	-0.1402
9	-0.0322	60	-0.0552	114	-0.2362
10	-0.0272	61	-0.0662	115	-0.1872
11	-0.0182	62	-0.0952	116	-0.1152
12	-0.0152	63	-0.1392	117	-0.0932
13	-0.0262	64	-0.3502	118	-0.0632
14	-0.1332	65	-0.3112	119	-0.0702
15	-0.1992	66	-0.4882	120	0.0588
16	-0.0992	67	-0.4572	121	-0.0522
17	-0.1262	68	-0.4092	122	-0.0702
18	-0.1002	69	-0.3092	123	-0.1832
19	-0.0792	70	-0.2072	124	-0.1192
20	-0.0662	71	-0.1232	125	-0.0892
21	-0.0592	72	-0.0982	126	-0.0612
22	-0.0552	73	-0.1192	127	-0.0782
23	-0.0502	74	-0.3452	128	-0.2052
24	-0.0412	75	-0.4762	129	-0.1302
25	-0.0352	76	-0.4732	135	-0.0622
26	-0.0372	77	-0.4462	136	-0.0552
27	-0.0632	78	-0.4032	137	-0.0572
28	-0.1642	79	-0.3422	138	0.0358
29	-0.2082	80	-0.2642	139	0.0398
30	-0.1452	81	-0.2472	140	0.0408
32	-0.0932	82	-0.3292	141	0.1098
33	-0.0852	83	-0.3782	142	0.1098
34	-0.0782	84	-0.4702	143	0.0988
35	-0.0722	85	-0.4602	145	-0.0642
36	-0.0622	86	-0.4422	147	0.1088
37	-0.0582	87	-0.4112	151	0.0708
38	-0.0592	88	-0.3772	152	-0.1512
39	-0.0682	89	-0.3942	153	-0.2372
40	-0.1052	90	-0.4702	154	-0.3332
41	-0.1872	91	-0.4722	155	0.0658
42	-0.2002	92	-0.4402	156	0.0278
43	-0.3902	93	-0.4242	157	-0.1122
44	-0.2072	94	-0.4352	158	0.2198
45	-0.1052	95	-0.4402	159	0.1208
46	-0.0772	96	-0.0582	160	0.0658
47	-0.0682	97	-0.2062	161	-0.0482
48	-0.0682	98	0.2998	162	0.2978
49	-0.0682	99	0.3388	163	0.1948
50	-0.0772	100	-0.0792	164	0.0368
51	-0.1012	101	-0.2012	165	-0.0172

ORF	CP	ORF	CP	ORF	CP
166	0.4168	217	-0.2922	268	-0.0982
167	0.3078	218	-0.1622	269	0.1188
168	0.2928	219	0.0238	270	0.1678
169	0.1948	220	0.0938	271	-0.1822
170	0.3508	221	-0.4212	272	-0.1242
171	0.2338	222	-0.2902	273	0.1498
172	0.0378	223	0.0388	274	0.1878
173	0.1058	224	0.0818	275	0.3308
174	-0.0012	225	0.3758	276	0.3098
175	-0.2152	226	0.2568	277	0.1928
176	-0.3462	227	-0.7362	278	-0.5492
177	-0.1602	228	-0.6782	279	-0.4942
178	-0.2292	229	-0.6142	280	-0.3942
179	-0.1412	230	-0.4362	281	-0.2322
180	-0.3292	231	-0.2472	282	-0.0782
181	0.1258	232	-0.1352	283	-0.0492
182	0.2838	233	0.0258	284	-0.0242
183	0.3958	234	0.0998	285	-0.0142
184	0.5208	235	-0.1172	286	-0.1902
185	0.5578	236	-0.1362	287	-0.1512
186	0.6368	237	-0.0262	288	0.1548
187	0.7418	238	0.0738	289	0.2408
188	0.8678	239	0.3758	290	0.1598
189	0.9528	240	0.3008	291	-0.5382
190	-0.3362	241	-0.7232	292	0.4068
191	-0.3892	242	-0.6392	325	0.0908
192	-0.3462	244	-0.3982	326	0.0908
193	-0.3502	245	-0.2592	327	0.0918
194	-0.3322	246	-0.0752	328	0.0908
195	-0.3572	247	-0.0012	329	0.0898
196	-0.3732	248	0.0598	330	0.0908
197	-0.3442	249	0.0128	331	0.0908
198	-0.3412	250	0.0918	332	0.0918
199	-0.3402	251	-0.3262	333	0.0908
200	-0.3522	252	-0.0412	334	0.0888
201	-0.3342	253	0.3648	335	0.0918
202	-0.3292	254	0.2458	336	0.0918
203	-0.3302	255	-0.7172	337	0.0918
204	-0.3342	256	-0.6752	338	0.0908
205	0.2868	257	-0.6182	339	0.0918
206	0.3138	258	-0.4472	340	0.0908
207	0.3058	259	-0.1222	341	0.0908
208	0.2958	260	-0.0382	350	-0.0752
210	0.4538	261	-0.0262	351	0.0768
211	0.4338	262	0.0178	352	0.0888
212	0.3248	263	-0.1562	353	0.0908
213	-0.5832	264	-0.0932	354	0.0948
214	-0.5522	265	0.1318	355	0.0938
215	-0.4992	266	0.1498		
216	-0.4142	267	-0.1712		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 256
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 19.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.198
TUNNEL DYNAMIC PRESSURE(PSF) = 771.
TUNNEL STAGNATION PRESSURE(PSF) = 1857.
TUNNEL STATIC PRESSURE(PSF) = 768.
REYNOLDS NUMBER PER FOOT = 3.9940E 06
MODEL ANGLE OF ATTACK(DEG) = 11.99
FIN ANGLE(DEG) = 0.32
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 547.

SCANIVALE	CP(REF)
147	1.0999
247	1.0989
347	1.0999
447	1.0999
547	1.0959
647	1.0959
747	1.0959

ORF	CP	ORF	CP	ORF	CP
1	0.0259	52	-0.1951	102	-0.2301
2	-0.1301	53	-0.3031	103	-0.5141
3	-0.1051	54	-0.2611	104	-0.5071
4	-0.0671	55	-0.3261	105	-0.4421
5	-0.0571	56	-0.2171	110	-0.0081
6	-0.0431	57	-0.1541	111	-0.0241
7	-0.0401	58	-0.1361	112	-0.0301
8	-0.0311	59	-0.1391	113	-0.1001
9	-0.0281	60	-0.1501	114	-0.2791
10	-0.0261	61	-0.1691	115	-0.2261
11	-0.0341	62	-0.1931	116	-0.0601
12	-0.0361	63	-0.2371	117	-0.0311
13	-0.0541	64	-0.3521	118	-0.0321
14	-0.1581	65	-0.3601	119	-0.0651
15	-0.2221	66	-0.5161	120	0.0299
16	-0.0541	67	-0.4751	121	-0.0961
17	-0.0611	68	-0.3461	122	-0.1171
18	-0.0611	69	-0.2351	123	-0.2091
19	-0.0551	70	-0.1941	124	-0.1491
20	-0.0481	71	-0.1931	125	-0.1291
21	-0.0471	72	-0.2131	126	-0.0991
22	-0.0441	73	-0.2601	127	-0.1191
23	-0.0451	74	-0.3801	128	-0.2321
24	-0.0421	75	-0.5351	129	-0.1571
25	-0.0441	76	-0.5751	135	-0.1131
26	-0.0571	77	-0.5901	136	-0.1161
27	-0.0881	78	-0.5261	137	-0.1151
28	-0.1771	79	-0.4111	138	-0.0051
29	-0.2321	80	-0.3071	139	0.0009
30	-0.0551	81	-0.3051	140	0.0099
32	-0.0571	82	-0.3981	141	0.0949
33	-0.0551	83	-0.4351	142	0.0929
34	-0.0601	84	-0.5601	143	0.1059
35	-0.0591	85	-0.5911	145	-0.1081
36	-0.0641	86	-0.5971	147	0.0949
37	-0.0701	87	-0.5851	151	-0.0261
38	-0.0751	88	-0.5301	152	-0.2001
39	-0.0901	89	-0.4771	153	-0.2441
40	-0.1241	90	-0.5541	154	-0.3041
41	-0.2041	91	-0.5631	155	-0.1051
42	-0.2441	92	-0.5561	156	-0.0291
43	-0.1341	93	-0.5631	157	-0.1181
44	-0.1021	94	-0.5961	158	0.1579
45	-0.0971	95	-0.5321	159	0.0119
46	-0.0951	96	-0.0191	160	-0.0311
47	-0.0981	97	-0.2701	161	-0.1141
48	-0.1031	98	0.1819	162	0.1299
49	-0.1141	99	0.3039	163	0.0439
50	-0.1311	100	-0.0621	164	-0.0011
51	-0.1531	101	-0.2551	165	-0.1211

ORF	CP	ORF	CP	ORF	CP
166	0.2269	217	-0.4021	268	-0.1621
167	0.0929	218	-0.3581	269	0.0539
168	0.0659	219	-0.3041	270	0.1009
169	-0.0261	220	0.0609	271	-0.2381
170	0.0669	221	-0.4241	272	-0.1651
171	0.0119	222	-0.1911	273	0.0599
172	-0.1401	223	0.0909	274	0.0759
173	0.0289	224	0.1499	275	0.1829
174	-0.0701	225	0.4549	276	0.1739
175	-0.1991	226	0.3369	277	0.1049
176	-0.3111	227	-0.7251	278	-0.3691
177	-0.2231	228	-0.6831	279	-0.2941
178	-0.2711	229	-0.6371	280	-0.2041
179	-0.2361	230	-0.5471	281	-0.1011
180	-0.3321	231	-0.4481	282	-0.0491
181	0.2159	232	-0.3651	283	-0.0351
182	0.3469	233	-0.2491	284	-0.0281
183	0.3129	234	0.1579	285	-0.0401
184	0.4229	235	-0.0651	286	-0.2541
185	0.4689	236	-0.1081	287	-0.2201
186	0.4699	237	0.0899	288	0.0459
187	0.4989	238	0.1809	289	0.1109
188	0.5129	239	0.3189	290	0.0889
189	0.5579	240	0.2679	291	-0.2391
190	-0.3571	241	-0.7291	292	0.4759
191	-0.4091	242	-0.6511	325	0.0759
192	-0.3751	244	-0.5351	326	0.0769
193	-0.3901	245	-0.4881	327	0.0749
194	-0.3731	246	-0.3001	328	0.0759
195	-0.3811	247	-0.0171	329	0.0749
196	-0.3911	248	0.0919	330	0.0749
197	-0.3621	249	-0.0151	331	0.0769
198	-0.3621	250	0.0759	332	0.0769
199	-0.3561	251	-0.3301	333	0.0759
200	-0.3681	252	-0.1941	334	0.0749
201	-0.3481	253	0.2429	335	0.0769
202	-0.3451	254	0.1449	336	0.0769
203	-0.3471	255	-0.6741	337	0.0769
204	-0.3491	256	-0.6151	338	0.0769
205	0.1439	257	-0.5381	339	0.0759
206	0.1729	258	-0.3731	340	0.0759
207	0.1639	259	-0.1711	341	0.0759
208	0.1439	260	-0.0821	350	-0.0661
210	0.5399	261	-0.0361	351	0.0579
211	0.5409	262	-0.0111	352	0.0749
212	0.4279	263	-0.2201	353	0.0759
213	-0.5701	264	-0.1901	354	0.0759
214	-0.5651	265	0.0679	355	0.0719
215	-0.5281	266	0.0969		
216	-0.4551	267	-0.2181		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 257
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 19.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.198
TUNNEL DYNAMIC PRESSURE(PSF) = 772.
TUNNEL STAGNATION PRESSURE(PSF) = 1859.
TUNNEL STATIC PRESSURE(PSF) = 769.
REYNOLDS NUMBER PER FOOT = 3.9920E 06
MODEL ANGLE OF ATTACK(DEG) = 14.16
FIN ANGLE(DEG) = 0.16
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 548.

SCANIVALE	CP(REF)
147	1.0969
247	1.0959
347	1.0959
447	1.0969
547	1.0879
647	1.0889
747	1.0879

ORF	CP	ORF	CP	ORF	CP
1	-0.0561	52	-0.1761	102	-0.2521
2	-0.1961	53	-0.2981	103	-0.5051
3	-0.1831	54	-0.2831	104	-0.4821
4	-0.1341	55	-0.2121	105	-0.4051
5	-0.0901	56	-0.1631	110	0.0339
6	-0.0761	57	-0.1381	111	0.0159
7	-0.0581	58	-0.1331	112	0.0109
8	-0.0461	59	-0.1381	113	-0.0681
9	-0.0351	60	-0.1501	114	-0.3011
10	-0.0241	61	-0.1751	115	-0.1501
11	-0.0281	62	-0.2091	116	0.0199
12	-0.0301	63	-0.2511	117	-0.0041
13	-0.0511	64	-0.3751	118	-0.0061
14	-0.1511	65	-0.3731	119	-0.0471
15	-0.2171	66	-0.3711	120	0.0169
16	-0.1261	67	-0.2901	121	-0.1171
17	-0.1291	68	-0.2331	122	-0.1431
18	-0.1061	69	-0.2111	123	-0.2301
19	-0.0871	70	-0.2101	124	-0.1821
20	-0.0691	71	-0.2271	125	-0.1651
21	-0.0531	72	-0.2581	126	-0.1321
22	-0.0471	73	-0.3141	127	-0.1461
23	-0.0451	74	-0.4061	128	-0.2531
24	-0.0421	75	-0.5051	129	-0.1691
25	-0.0451	76	-0.4721	135	-0.1381
26	-0.0541	77	-0.4191	136	-0.1461
27	-0.0831	78	-0.3531	137	-0.1311
28	-0.1711	79	-0.3181	138	-0.0251
29	-0.2441	80	-0.3221	139	-0.0241
30	-0.0981	81	-0.3771	140	-0.0141
32	-0.0661	82	-0.4241	141	0.1179
33	-0.0521	83	-0.4451	142	0.1229
34	-0.0491	84	-0.5811	143	0.1139
35	-0.0441	85	-0.5721	145	-0.1471
36	-0.0461	86	-0.5051	147	0.1229
37	-0.0501	87	-0.4371	151	-0.0911
38	-0.0541	88	-0.4171	152	-0.2411
39	-0.0681	89	-0.4401	153	-0.2771
40	-0.1051	90	-0.5691	154	-0.3131
41	-0.1831	91	-0.5971	155	-0.1621
42	-0.2571	92	-0.5961	156	-0.0431
43	-0.1341	93	-0.5591	157	-0.1061
44	-0.0991	94	-0.5441	158	0.1619
45	-0.0841	95	-0.4881	159	-0.0071
46	-0.0861	96	-0.0281	160	-0.0341
47	-0.0791	97	-0.3061	161	-0.1061
48	-0.0861	98	0.1119	162	0.1099
49	-0.0961	99	0.2059	163	0.0199
50	-0.1091	100	-0.0951	164	-0.0201
51	-0.1381	101	-0.2831	165	-0.1331

ORF	CP	ORF	CP	ORF	CP
166	0.1899	217	-0.3831	268	-0.1951
167	0.0669	218	-0.3501	269	0.0369
168	0.0129	219	-0.2981	270	0.1069
169	-0.0681	220	-0.1461	271	-0.2631
170	0.0099	221	-0.3891	272	-0.2041
171	-0.0031	222	-0.2301	273	0.0409
172	-0.1411	223	0.1069	274	0.0639
173	0.0679	224	0.1669	275	0.1799
174	-0.0571	225	0.4909	276	0.1319
175	-0.1721	226	0.3689	277	0.0659
176	-0.2881	227	-0.7121	278	-0.4561
177	-0.2761	228	-0.6671	279	-0.3911
178	-0.3261	229	-0.6261	280	-0.3021
179	-0.2931	230	-0.5451	281	-0.1821
180	-0.3161	231	-0.4481	282	-0.0961
181	0.2909	232	-0.3641	283	-0.0621
182	0.3889	233	-0.3231	284	-0.0241
183	0.2529	234	0.0539	285	-0.0321
184	0.3889	235	-0.0731	286	-0.2711
185	0.4229	236	-0.0861	287	-0.2501
186	0.4409	237	0.1249	288	0.0269
187	0.4549	238	0.2179	289	0.0789
188	0.4579	239	0.2789	290	0.0759
189	0.4819	240	0.2429	291	-0.1531
190	-0.3561	241	-0.7151	292	0.5179
191	-0.4131	242	-0.6361	325	0.0629
192	-0.3741	244	-0.5391	326	0.0679
193	-0.3981	245	-0.5301	327	0.0709
194	-0.3611	246	-0.4431	328	0.0699
195	-0.3841	247	-0.0741	329	0.0709
196	-0.3871	248	0.0769	330	0.0619
197	-0.3641	249	0.0089	331	0.0679
198	-0.3601	250	0.0679	332	0.0719
199	-0.3541	251	-0.3191	333	0.0709
200	-0.3691	252	-0.2731	334	0.0709
201	-0.3461	253	0.2309	335	0.0629
202	-0.3401	254	0.1269	336	0.0659
203	-0.3441	255	-0.7251	337	0.0639
204	-0.3481	256	-0.6881	338	0.0689
205	0.1229	257	-0.6401	339	0.0709
206	0.1629	258	-0.4251	340	0.0709
207	0.1469	259	-0.2171	341	0.0709
208	0.1189	260	-0.1411	350	-0.0491
210	0.5449	261	-0.0451	351	0.0569
211	0.5709	262	-0.0011	352	0.0669
212	0.4659	263	-0.2041	353	0.0659
213	-0.5611	264	-0.2061	354	0.0659
214	-0.5501	265	0.0579	355	0.0689
215	-0.5041	266	0.0909		
216	-0.4301	267	-0.2251		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 258
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 19.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.196
TUNNEL DYNAMIC PRESSURE(PSF) = 776.
TUNNEL STAGNATION PRESSURE(PSF) = 1870.
TUNNEL STATIC PRESSURE(PSF) = 775.
REYNOLDS NUMBER PER FOOT = 4.0140E 06
MODEL ANGLE OF ATTACK(DEG) = 0.10
FIN ANGLE(DEG) = 0.08
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 548.

SCANIVALE	CP(REF)
147	1.0833
247	1.0823
347	1.0833
447	1.0833
547	1.0893
647	1.0903
747	1.0903

ORF	CP	ORF	CP	ORF	CP
1	0.3253	52	0.1613	102	-0.0517
2	-0.0687	53	-0.0287	103	-0.4037
3	-0.3547	54	-0.1777	104	-0.3887
4	-0.2517	55	0.2853	105	-0.2317
5	-0.0157	56	0.2773	110	-0.1597
6	0.1153	57	0.2713	111	-0.1477
7	0.1653	58	0.2523	112	-0.1267
8	0.1853	59	0.2423	113	-0.1877
9	0.1963	60	0.2383	114	-0.2247
10	0.1993	61	0.2173	115	-0.1987
11	0.2043	62	0.1883	116	-0.1717
12	0.1943	63	0.1433	117	-0.1107
13	0.1793	64	-0.1757	118	-0.0917
14	0.0583	65	-0.1797	119	-0.0897
15	-0.0207	66	0.2903	120	0.0523
16	0.0343	67	0.2823	121	-0.0427
17	-0.1517	68	0.2643	122	-0.0637
18	-0.2527	69	0.2473	123	-0.2097
19	-0.0297	70	0.2343	124	-0.1077
20	0.1683	71	0.2103	125	-0.0757
21	0.2053	72	0.1783	126	-0.0407
22	0.2183	73	0.1123	127	-0.0617
23	0.2073	74	-0.1977	128	-0.2457
24	0.2113	75	0.3003	129	-0.1697
25	0.2063	76	0.2753	135	-0.0447
26	0.1993	77	0.2503	136	-0.0457
27	0.1793	78	0.2303	137	-0.0477
28	0.0633	79	0.1963	138	0.0453
29	-0.0687	80	0.1403	139	0.0423
30	-0.0267	81	0.0473	140	0.0423
32	0.0023	82	-0.2107	141	0.1043
33	0.1903	83	0.2703	142	0.1023
34	0.2273	84	0.2713	143	0.1053
35	0.2253	85	0.2223	145	-0.0477
36	0.2253	86	0.1653	147	0.1023
37	0.2143	87	0.1393	151	0.1683
38	0.2153	88	0.0773	152	-0.1117
39	0.2013	89	-0.2167	153	-0.1857
40	0.1763	90	0.2393	154	-0.3907
41	0.0813	91	0.1763	155	0.1193
42	-0.1327	92	0.1513	156	0.2453
43	0.0403	93	0.1313	157	0.0763
44	0.1483	94	0.0823	158	0.5473
45	0.2613	95	-0.2187	159	0.4083
46	0.2493	96	-0.3587	160	0.3533
47	0.2423	97	-0.1847	161	0.2513
48	0.2363	98	0.2393	162	0.5123
49	0.2253	99	0.2553	163	0.4343
50	0.2233	100	0.0603	164	0.0533
51	0.2003	101	-0.0687	165	0.1713

ORF	CP	ORF	CP	ORF	CP
166	0.5913	217	0.0863	268	0.0163
167	0.4043	218	0.1233	269	0.3193
168	0.3703	219	0.1553	270	0.3893
169	0.2423	220	0.1613	271	-0.0547
170	0.3663	221	-0.3047	272	-0.0727
171	0.3203	222	-0.1487	273	0.3053
172	0.0813	223	0.1663	274	0.3693
173	0.1693	224	0.1533	275	0.4613
174	0.0533	225	0.3923	276	0.5283
175	-0.1647	226	0.2763	277	0.4143
176	-0.3407	227	-0.4147	278	-0.5757
177	-0.0607	228	-0.3187	279	-0.5137
178	-0.1967	229	-0.2347	280	-0.4017
179	-0.2107	230	-0.0477	281	-0.3127
180	-0.3527	231	0.0683	282	-0.0657
181	0.4083	232	0.1133	283	0.1173
182	0.5823	233	0.1533	284	0.2023
183	0.5843	234	0.1683	285	0.1853
184	0.7933	235	0.0103	286	-0.0697
185	0.8593	236	-0.0887	287	-0.1117
186	0.8743	237	0.0563	288	0.2573
187	0.9193	238	0.1213	289	0.3963
188	0.9783	239	0.3513	290	0.3563
189	1.0033	240	0.2713	291	-0.2457
190	-0.3587	241	-0.3297	292	0.1783
191	-0.3777	242	-0.2767	325	0.0793
192	-0.3647	244	-0.0567	326	0.0803
193	-0.3647	245	0.0543	327	0.0803
194	-0.3617	246	0.0973	328	0.0803
195	-0.3617	247	0.1463	329	0.0813
196	-0.3637	248	0.1723	330	0.0793
197	-0.3517	249	0.1573	331	0.0803
198	-0.3537	250	0.0823	332	0.0813
199	-0.3527	251	-0.3397	333	0.0813
200	-0.3447	252	0.0993	334	0.0813
201	-0.3377	253	0.4273	335	0.0793
202	-0.3347	254	0.3163	336	0.0793
203	-0.3337	255	-0.6897	337	0.0803
204	-0.3327	256	-0.6107	338	0.0803
205	0.3373	257	-0.5277	339	0.0803
206	0.3803	258	-0.2817	340	0.0813
207	0.3773	259	0.0313	341	0.0813
208	0.3753	260	0.1193	350	-0.0907
210	0.3773	261	0.1843	351	0.0623
211	0.4363	262	0.2173	352	0.0813
212	0.3503	263	0.0263	353	0.0833
213	-0.4237	264	0.0833	354	0.0843
214	-0.2887	265	0.3453	355	0.0833
215	-0.1777	266	0.3783		
216	-0.0387	267	0.0003		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 282
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 17.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.099
TUNNEL DYNAMIC PRESSURE(PSF) = 737.
TUNNEL STAGNATION PRESSURE(PSF) = 1859.
TUNNEL STATIC PRESSURE(PSF) = 872.
REYNOLDS NUMBER PER FOOT = 3.9760E 06
MODEL ANGLE OF ATTACK(DEG) = -14.23
FIN ANGLE(DEG) = 0.33
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCAN VALUE	CP(REF)
147	1.0068
247	1.0068
347	1.0078
447	1.0078
547	1.0058
647	1.0058
747	1.0058

ORF	CP	ORF	CP	ORF	CP
1	0.6408	52	0.3208	102	0.0518
2	0.3588	53	0.0488	103	-0.4432
3	0.4338	54	0.1078	104	-0.3562
4	0.4978	55	0.7388	105	-0.2702
5	0.5288	56	0.6768	110	-0.1402
6	0.5388	57	0.6258	111	-0.1752
7	0.5378	58	0.5788	112	-0.1202
8	0.5318	59	0.5468	113	-0.1932
9	0.5218	60	0.4978	114	-0.3472
10	0.5058	61	0.4438	115	-0.1482
11	0.4878	62	0.3748	116	-0.0182
12	0.4608	63	0.2748	117	-0.0062
13	0.4168	64	-0.0082	118	-0.0192
14	0.2258	65	0.0608	119	-0.0792
15	0.1448	66	0.7188	120	-0.0372
16	0.6398	67	0.6488	121	-0.1112
17	0.6088	68	0.5898	122	-0.1332
18	0.5968	69	0.5338	123	-0.2502
19	0.5888	70	0.4798	124	-0.1802
20	0.5778	71	0.4228	125	-0.1582
21	0.5668	72	0.3438	126	-0.1172
22	0.5518	73	0.2148	127	-0.1392
23	0.5328	74	0.0228	128	-0.2952
24	0.5128	75	0.6938	129	-0.2082
25	0.4848	76	0.6068	135	-0.1172
26	0.4498	77	0.5338	136	-0.1222
27	0.3888	78	0.4588	137	-0.1342
28	0.2178	79	0.3768	138	0.0178
29	0.1188	80	0.2828	139	0.0218
30	0.7088	81	0.1088	140	0.0188
32	0.6398	82	-0.0072	141	0.1338
33	0.6148	83	0.6048	142	0.1368
34	0.5888	84	0.5518	143	0.1458
35	0.5668	85	0.4468	145	-0.1232
36	0.5438	86	0.3488	147	0.1298
37	0.5158	87	0.2478	151	0.2448
38	0.4848	88	0.1118	152	-0.0702
39	0.4388	89	-0.0432	153	-0.1302
40	0.3698	90	0.5348	154	-0.3782
41	0.2208	91	0.3598	155	0.1838
42	0.1078	92	0.2548	156	0.3578
43	0.7408	93	0.1728	157	0.1508
44	0.6808	94	0.0778	158	0.7798
45	0.6398	95	-0.0762	159	0.4788
46	0.6078	96	-0.4802	160	0.4538
47	0.5818	97	-0.1242	161	0.3278
48	0.5468	98	-0.7892	162	0.7108
49	0.5048	99	-0.4662	163	0.5338
50	0.4628	100	-0.2512	164	0.0228
51	0.4058	101	-0.0082	165	0.2248

ORF	CP	ORF	CP	ORF	CP
166	0.5528	217	0.1168	268	0.1228
167	0.4948	218	0.3088	269	0.5208
168	0.3948	219	0.3948	270	0.6488
169	0.2048	220	0.3648	271	0.0328
170	0.6348	221	-0.1992	272	0.0118
171	0.3288	222	-0.0752	273	0.5068
172	0.0438	223	0.3178	274	0.5918
173	0.3288	224	0.3058	275	0.5608
174	0.1758	225	0.6338	276	0.8378
175	-0.0842	226	0.4848	277	0.6828
176	-0.3662	227	-0.2222	278	-0.1162
177	-0.0472	228	-0.2142	279	0.0028
178	-0.1902	229	-0.1802	280	0.1528
179	-0.1922	230	-0.0892	281	0.4048
180	-0.3632	231	0.1608	282	0.5268
181	0.6348	232	0.3208	283	0.5328
182	0.8088	233	0.3938	284	0.5178
183	0.6288	234	0.3748	285	0.4238
184	0.8638	235	0.1548	286	0.0098
185	1.0658	236	0.0678	287	0.0268
186	1.1858	237	0.1948	288	0.3968
187	1.2278	238	0.2768	289	0.4188
188	1.2028	239	0.6588	290	0.5708
189	1.1128	240	0.5768	291	-0.7872
190	-0.3272	241	-0.2222	292	-0.0402
191	-0.3772	242	-0.1772	325	-0.0212
192	-0.3462	244	0.0688	326	-0.0172
193	-0.3422	245	0.2918	327	-0.0162
194	-0.3202	246	0.3718	328	-0.0162
195	-0.3882	247	0.4098	329	-0.0182
196	-0.3612	248	0.4038	330	-0.0182
197	-0.3392	249	0.3518	331	-0.0162
198	-0.3392	250	-0.0162	332	-0.0152
199	-0.3462	251	-0.3272	333	-0.0162
200	-0.3422	252	0.1988	334	-0.0182
201	-0.3302	253	0.7668	335	-0.0162
202	-0.3342	254	0.6128	336	-0.0192
203	-0.3382	255	-0.0642	337	-0.0212
204	-0.3372	256	-0.0412	338	-0.0172
205	0.0938	257	0.0068	339	-0.0162
206	0.1738	258	0.1498	340	-0.0162
207	0.1378	259	0.3688	341	-0.0192
208	0.2758	260	0.4438	350	-0.0782
210	0.7708	261	0.4648	351	-0.0242
211	0.6948	262	0.4348	352	-0.0202
212	0.5468	263	0.1888	353	-0.0182
213	-0.2452	264	0.1918	354	-0.0162
214	-0.2082	265	0.5058	355	-0.0162
215	-0.1882	266	0.5868		
216	-0.1252	267	0.1478		

SATURN IB PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 283
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 17.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.106
TUNNEL DYNAMIC PRESSURE(PSF) = 740.
TUNNEL STAGNATION PRESSURE(PSF) = 1859.
TUNNEL STATIC PRESSURE(PSF) = 864.
REYNOLDS NUMBER PER FOOT = 3.9780E 06
MODEL ANGLE OF ATTACK(DEG) = -12.08
FIN ANGLE(DEG) = 0.29
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	1.0154
247	1.0144
347	1.0154
447	1.0154
547	1.0184
647	1.0184
747	1.0184

ORF	CP	ORF	CP	ORF	CP
1	0.5974	52	0.2994	102	0.0554
2	0.2904	53	0.0264	103	-0.3946
3	0.3584	54	0.0914	104	-0.3506
4	0.4384	55	0.6964	105	-0.2526
5	0.4774	56	0.6354	110	-0.1436
6	0.4854	57	0.5864	111	-0.1646
7	0.4934	58	0.5464	112	-0.1056
8	0.4934	59	0.5124	113	-0.1686
9	0.4834	60	0.4704	114	-0.3186
10	0.4714	61	0.4154	115	-0.1306
11	0.4544	62	0.3534	116	-0.0126
12	0.4294	63	0.2544	117	0.0124
13	0.3894	64	-0.0846	118	0.0124
14	0.2084	65	0.0554	119	-0.0516
15	0.1274	66	0.6824	120	-0.0086
16	0.5684	67	0.6134	121	-0.0666
17	0.5464	68	0.5554	122	-0.0826
18	0.5364	69	0.5014	123	-0.2566
19	0.5384	70	0.4504	124	-0.1316
20	0.5294	71	0.4004	125	-0.1116
21	0.5224	72	0.3244	126	-0.0606
22	0.5104	73	0.1994	127	-0.0896
23	0.4954	74	0.0174	128	-0.2676
24	0.4784	75	0.6644	129	-0.1816
25	0.4544	76	0.5764	135	-0.0726
26	0.4214	77	0.5044	136	-0.0766
27	0.3674	78	0.4314	137	-0.0796
28	0.1994	79	0.3524	138	0.0374
29	0.1034	80	0.2604	139	0.0404
30	0.6484	81	0.0924	140	0.0464
32	0.5914	82	-0.0186	141	0.1384
33	0.5694	83	0.5704	142	0.1354
34	0.5474	84	0.5164	143	0.1294
35	0.5294	85	0.4204	145	-0.0786
36	0.5084	86	0.3254	147	0.1324
37	0.4834	87	0.2284	151	0.2394
38	0.4594	88	0.0914	152	-0.0686
39	0.4184	89	-0.0696	153	-0.1426
40	0.3534	90	0.5074	154	-0.3746
41	0.2034	91	0.3334	155	0.2224
42	0.0964	92	0.2364	156	0.3654
43	0.6894	93	0.1604	157	0.1544
44	0.6344	94	0.0594	158	0.7554
45	0.5944	95	-0.0906	159	0.4834
46	0.5654	96	-0.4466	160	0.4604
47	0.5424	97	-0.1186	161	0.3324
48	0.5124	98	-0.6826	162	0.7054
49	0.4754	99	-0.4526	163	0.5524
50	0.4354	100	-0.2176	164	0.0424
51	0.3794	101	0.0074	165	0.2344

ORF	CP	ORF	CP	ORF	CP
166	0.5374	217	0.1314	268	0.1254
167	0.5124	218	0.2974	269	0.5084
168	0.4274	219	0.3764	270	0.6234
169	0.2344	220	0.3504	271	0.0484
170	0.6214	221	-0.2166	272	0.0114
171	0.3664	222	-0.0786	273	0.4934
172	0.0724	223	0.3044	274	0.5724
173	0.3294	224	0.2944	275	0.5274
174	0.1864	225	0.6214	276	0.8174
175	-0.0616	226	0.4754	277	0.6704
176	-0.3536	227	-0.2836	278	-0.1316
177	-0.0406	228	-0.2546	279	-0.0006
178	-0.1886	229	-0.2156	280	0.1124
179	-0.1796	230	-0.1006	281	0.3384
180	-0.3396	231	0.1534	282	0.4814
181	0.5994	232	0.2984	283	0.4884
182	0.7874	233	0.3724	284	0.4924
183	0.6524	234	0.3624	285	0.4074
184	0.9264	235	0.1444	286	0.0284
185	1.0894	236	0.0504	287	0.0074
186	1.2094	237	0.1794	288	0.3974
187	1.2444	238	0.2564	289	0.4234
188	1.2574	239	0.6514	290	0.5424
189	1.1934	240	0.5624	291	-0.7666
190	-0.3136	241	-0.2486	292	0.0024
191	-0.3566	242	-0.2006	325	0.0044
192	-0.3296	244	0.0524	326	0.0014
193	-0.3296	245	0.2684	327	0.0034
194	-0.3076	246	0.3464	328	0.0064
195	-0.3716	247	0.3914	329	0.0084
196	-0.3466	248	0.3864	330	0.0054
197	-0.3226	249	0.3384	331	0.0024
198	-0.3246	250	0.0064	332	0.0054
199	-0.3306	251	-0.3196	333	0.0084
200	-0.3296	252	0.1934	334	0.0084
201	-0.3156	253	0.7334	335	0.0074
202	-0.3166	254	0.5974	336	0.0044
203	-0.3196	255	-0.1286	337	0.0044
204	-0.3196	256	-0.0976	338	0.0024
205	0.1864	257	-0.0406	339	0.0034
206	0.2544	258	0.1054	340	0.0064
207	0.2224	259	0.3334	341	0.0084
208	0.2874	260	0.4084	350	-0.0516
210	0.7364	261	0.4364	351	0.0074
211	0.6794	262	0.4164	352	0.0114
212	0.5314	263	0.1814	353	0.0124
213	-0.3096	264	0.1924	354	0.0104
214	-0.2606	265	0.4964	355	0.0104
215	-0.2306	266	0.5684		
216	-0.1336	267	0.1444		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 284
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 17.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.095
TUNNEL DYNAMIC PRESSURE(PSF) = 736.
TUNNEL STAGNATION PRESSURE(PSF) = 1861.
TUNNEL STATIC PRESSURE(PSF) = 876.
REYNOLDS NUMBER PER FOOT = 3.9810E 06
MODEL ANGLE OF ATTACK(DEG) = -8.06
FIN ANGLE(DEG) = 0.49
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	1.0028
247	1.0018
347	1.0028
447	1.0028
547	0.9998
647	1.0008
747	0.9998

ORF	CP	ORF	CP	ORF	CP
1	0.4888	52	0.2358	102	-0.0472
2	0.3258	53	-0.0242	103	-0.4282
3	0.3468	54	-0.0452	104	-0.3792
4	0.3688	55	0.5888	105	-0.2362
5	0.3788	56	0.5248	110	-0.1992
6	0.3868	57	0.4978	111	-0.2062
7	0.3908	58	0.4598	112	-0.1582
8	0.3848	59	0.4268	113	-0.2022
9	0.3768	60	0.3868	114	-0.2932
10	0.3698	61	0.3378	115	-0.1832
11	0.3558	62	0.2808	116	-0.1272
12	0.3298	63	0.1928	117	-0.0412
13	0.2928	64	-0.2182	118	-0.0352
14	0.1338	65	-0.1302	119	-0.0772
15	0.0528	66	0.5828	120	-0.0042
16	0.4538	67	0.5118	121	-0.0772
17	0.4358	68	0.4588	122	-0.0782
18	0.4278	69	0.4108	123	-0.2552
19	0.4128	70	0.3668	124	-0.1172
20	0.4128	71	0.3188	125	-0.0732
21	0.4088	72	0.2508	126	-0.0272
22	0.3998	73	0.1378	127	-0.0572
23	0.3838	74	-0.1902	128	-0.2752
24	0.3728	75	0.5578	129	-0.1892
25	0.3538	76	0.4768	135	-0.0662
26	0.3258	77	0.4128	136	-0.0792
27	0.2738	78	0.3478	137	-0.0732
28	0.1258	79	0.2818	138	0.0308
29	0.0158	80	0.1958	139	0.0348
30	0.5358	81	0.0418	140	0.0348
32	0.4708	82	-0.2362	141	0.1278
33	0.4548	83	0.4798	142	0.1198
34	0.4368	84	0.4278	143	0.1138
35	0.4218	85	0.3318	145	-0.0752
36	0.4108	86	0.2408	147	0.1198
37	0.3858	87	0.1528	151	0.1828
38	0.3618	88	0.0298	152	-0.1132
39	0.3248	89	-0.2672	153	-0.1972
40	0.2698	90	0.4078	154	-0.3962
41	0.1398	91	0.2398	155	0.1918
42	-0.0022	92	0.1538	156	0.2848
43	0.5798	93	0.0838	157	0.0868
44	0.5268	94	-0.0062	158	0.6238
45	0.4978	95	-0.2902	159	0.4148
46	0.4728	96	-0.3572	160	0.3848
47	0.4488	97	-0.2032	161	0.2628
48	0.4208	98	-0.3532	162	0.5668
49	0.3928	99	-0.3412	163	0.4288
50	0.3568	100	-0.3142	164	0.0298
51	0.3048	101	-0.0832	165	0.1548

ORF	CP	ORF	CP	ORF	CP
166	0.4978	217	0.0668	268	0.0598
167	0.3968	218	0.2238	269	0.3998
168	0.3278	219	0.3028	270	0.5068
169	0.1588	220	0.2808	271	-0.0512
170	0.4838	221	-0.2972	272	-0.0432
171	0.3068	222	-0.1312	273	0.4008
172	0.0478	223	0.2328	274	0.4818
173	0.2388	224	0.2258	275	0.4328
174	0.1128	225	0.5208	276	0.6158
175	-0.1202	226	0.3848	277	0.5368
176	-0.3582	227	-0.3832	278	0.0338
177	-0.0862	228	-0.3512	279	0.1708
178	-0.2212	229	-0.2932	280	0.2348
179	-0.1842	230	-0.1492	281	0.3288
180	-0.3442	231	0.0878	282	0.3788
181	0.4688	232	0.2248	283	0.3758
182	0.6468	233	0.2938	284	0.3758
183	0.4938	234	0.2838	285	0.3048
184	0.6748	235	0.0768	286	-0.0742
185	0.7688	236	-0.0242	287	-0.0732
186	0.8888	237	0.1038	288	0.3558
187	1.0278	238	0.1818	289	0.4108
188	1.1388	239	0.5538	290	0.4408
189	1.2058	240	0.4648	291	-0.7872
190	-0.3262	241	-0.3142	292	-0.0042
191	-0.3442	242	-0.2672	325	0.0158
192	-0.3322	244	-0.0232	326	0.0158
193	-0.3342	245	0.1818	327	0.0188
194	-0.3272	246	0.2618	328	0.0178
195	-0.3432	247	0.3028	329	0.0178
196	-0.3502	248	0.2998	330	0.0168
197	-0.3302	249	0.2578	331	0.0168
198	-0.3302	250	0.0198	332	0.0198
199	-0.3332	251	-0.3242	333	0.0198
200	-0.3312	252	0.1198	334	0.0178
201	-0.3212	253	0.5648	335	0.0178
202	-0.3212	254	0.4548	336	0.0178
203	-0.3192	255	-0.2222	337	0.0148
204	-0.3212	256	-0.1402	338	0.0158
205	0.3068	257	-0.0592	339	0.0188
206	0.3448	258	0.1328	340	0.0178
207	0.3298	259	0.2748	341	0.0178
208	0.3638	260	0.3248	350	-0.0762
210	0.6288	261	0.3378	351	0.0098
211	0.5948	262	0.3198	352	0.0178
212	0.4568	263	0.0968	353	0.0168
213	-0.4902	264	0.1188	354	0.0178
214	-0.3892	265	0.3978	355	0.0188
215	-0.3182	266	0.4588		
216	-0.1842	267	0.0568		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 285
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 17.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.098
TUNNEL DYNAMIC PRESSURE(PSF) = 737.
TUNNEL STAGNATION PRESSURE(PSF) = 1861.
TUNNEL STATIC PRESSURE(PSF) = 874.
REYNOLDS NUMBER PER FOOT = 3.9820E 06
MODEL ANGLE OF ATTACK(DEG) = -6.04
FIN ANGLE(DEG) = 0.64
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	1.0041
247	1.0031
347	1.0031
447	1.0041
547	1.0001
647	1.0001
747	1.0001

ORF	CP	ORF	CP	ORF	CP
1	0.3691	52	0.2001	102	-0.0519
2	0.2491	53	-0.0429	103	-0.4519
3	0.2691	54	-0.1129	104	-0.4079
4	0.2841	55	0.5201	105	-0.2439
5	0.2911	56	0.4671	110	-0.2039
6	0.3041	57	0.4371	111	-0.2179
7	0.3141	58	0.4011	112	-0.1709
8	0.3121	59	0.3741	113	-0.2199
9	0.3081	60	0.3381	114	-0.2729
10	0.3011	61	0.2991	115	-0.2039
11	0.2891	62	0.2471	116	-0.1269
12	0.2681	63	0.1661	117	-0.0789
13	0.2351	64	-0.2349	118	-0.0759
14	0.0951	65	-0.1839	119	-0.0729
15	0.0221	66	0.5171	120	0.0061
16	0.3541	67	0.4501	121	-0.0419
17	0.3411	68	0.4081	122	-0.0689
18	0.3321	69	0.3631	123	-0.2489
19	0.3391	70	0.3281	124	-0.1089
20	0.3301	71	0.2861	125	-0.0809
21	0.3311	72	0.2241	126	-0.0239
22	0.3321	73	0.1201	127	-0.0529
23	0.3191	74	-0.2289	128	-0.2719
24	0.3051	75	0.4991	129	-0.1809
25	0.2891	76	0.4271	135	-0.0629
26	0.2711	77	0.3691	136	-0.0679
27	0.2201	78	0.3151	137	-0.0639
28	0.0911	79	0.2501	138	0.0251
29	-0.0049	80	0.1701	139	0.0261
30	0.4301	81	0.0241	140	0.0261
32	0.3851	82	-0.2619	141	0.1121
33	0.3721	83	0.4281	142	0.1021
34	0.3621	84	0.3781	143	0.1021
35	0.3441	85	0.2891	145	-0.0729
36	0.3361	86	0.2041	147	0.1071
37	0.3201	87	0.1231	151	0.1481
38	0.3011	88	0.0151	152	-0.1309
39	0.2711	89	-0.2849	153	-0.2269
40	0.2201	90	0.3561	154	-0.3789
41	0.1031	91	0.2001	155	0.2011
42	-0.0339	92	0.1301	156	0.2231
43	0.4911	93	0.0681	157	0.0421
44	0.4481	94	-0.0169	158	0.5371
45	0.4221	95	-0.3069	159	0.3521
46	0.4001	96	-0.2039	160	0.3211
47	0.3781	97	-0.2229	161	0.2061
48	0.3581	98	-0.0959	162	0.4721
49	0.3371	99	-0.2119	163	0.3651
50	0.3061	100	-0.1849	164	0.0271
51	0.2601	101	-0.0999	165	0.0981

ORF	CP	ORF	CP	ORF	CP
166	0.4321	217	0.0451	268	0.0491
167	0.3391	218	0.1851	269	0.3451
168	0.2691	219	0.2601	270	0.4331
169	0.1011	220	0.2441	271	-0.0689
170	0.4251	221	-0.3249	272	-0.0319
171	0.2561	222	-0.1579	273	0.3511
172	0.0081	223	0.2091	274	0.4201
173	0.2141	224	0.2031	275	0.4351
174	0.0891	225	0.4781	276	0.4711
175	-0.1369	226	0.3421	277	0.4061
176	-0.3569	227	-0.4309	278	-0.0029
177	-0.1009	228	-0.3999	279	0.1351
178	-0.2199	229	-0.3369	280	0.1951
179	-0.1699	230	-0.1719	281	0.2621
180	-0.3339	231	0.0601	282	0.2921
181	0.4021	232	0.1781	283	0.3031
182	0.5631	233	0.2471	284	0.3081
183	0.5001	234	0.2501	285	0.2451
184	0.6601	235	0.0471	286	-0.0939
185	0.7401	236	-0.0509	287	-0.0539
186	0.8541	237	0.0801	288	0.3251
187	0.9511	238	0.1481	289	0.3571
188	1.0591	239	0.4931	290	0.3861
189	1.1121	240	0.4091	291	-0.5399
190	-0.3309	241	-0.3369	292	0.0311
191	-0.3379	242	-0.2869	325	0.0281
192	-0.3589	244	-0.0749	326	0.0281
193	-0.3509	245	0.1391	327	0.0271
194	-0.3499	246	0.2141	328	0.0291
195	-0.3339	247	0.2641	329	0.0311
196	-0.3349	248	0.2631	330	0.0301
197	-0.3259	249	0.2251	331	0.0291
198	-0.3249	250	0.0291	332	0.0281
199	-0.3249	251	-0.3109	333	0.0301
200	-0.3219	252	0.0881	334	0.0331
201	-0.3079	253	0.4611	335	0.0301
202	-0.3119	254	0.3641	336	0.0291
203	-0.3119	255	-0.2179	337	0.0281
204	-0.3109	256	-0.1339	338	0.0291
205	0.3461	257	-0.0609	339	0.0271
206	0.3721	258	0.1231	340	0.0301
207	0.3781	259	0.2291	341	0.0321
208	0.4061	260	0.2601	350	-0.0799
210	0.5771	261	0.2721	351	0.0151
211	0.5551	262	0.2611	352	0.0271
212	0.4221	263	0.0721	353	0.0301
213	-0.5849	264	0.1011	354	0.0301
214	-0.4999	265	0.3381	355	0.0301
215	-0.3809	266	0.3881		
216	-0.1929	267	0.0321		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 286
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 17.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.102
TUNNEL DYNAMIC PRESSURE(PSF) = 739.
TUNNEL STAGNATION PRESSURE(PSF) = 1861.
TUNNEL STATIC PRESSURE(PSF) = 869.
REYNOLDS NUMBER PER FOOT = 3.9850E 06
MODEL ANGLE OF ATTACK(DEG) = -3.99
FIN ANGLE(DEG) = 0.52
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	1.0091
247	1.0071
347	1.0081
447	1.0091
547	1.0061
647	1.0061
747	1.0061

ORF	CP	ORF	CP	ORF	CP
1	0.2571	52	0.1641	102	-0.0629
2	0.0911	53	-0.0599	103	-0.4599
3	0.1211	54	-0.1349	104	-0.4169
4	0.1841	55	0.4391	105	-0.2529
5	0.2131	56	0.3951	110	-0.1869
6	0.2321	57	0.3721	111	-0.2099
7	0.2391	58	0.3441	112	-0.1669
8	0.2461	59	0.3181	113	-0.2189
9	0.2411	60	0.2921	114	-0.2449
10	0.2391	61	0.2581	115	-0.2069
11	0.2311	62	0.2161	116	-0.1369
12	0.2171	63	0.1461	117	-0.0939
13	0.1811	64	-0.2429	118	-0.0929
14	0.0651	65	-0.2169	119	-0.0929
15	0.0031	66	0.4421	120	0.0231
16	0.2351	67	0.3871	121	-0.0209
17	0.2281	68	0.3491	122	-0.0539
18	0.2391	69	0.3121	123	-0.2379
19	0.2541	70	0.2821	124	-0.0959
20	0.2561	71	0.2441	125	-0.0609
21	0.2571	72	0.1911	126	-0.0179
22	0.2601	73	0.1051	127	-0.0379
23	0.2511	74	-0.2519	128	-0.2549
24	0.2441	75	0.4351	129	-0.1689
25	0.2361	76	0.3751	135	-0.0429
26	0.2121	77	0.3301	136	-0.0459
27	0.1741	78	0.2801	137	-0.0569
28	0.0541	79	0.2201	138	0.0281
29	-0.0239	80	0.1511	139	0.0291
30	0.3141	81	0.0181	140	0.0361
32	0.2991	82	-0.2759	141	0.1161
33	0.2931	83	0.3691	142	0.1101
34	0.2861	84	0.3271	143	0.1071
35	0.2871	85	0.2471	145	-0.0519
36	0.2771	86	0.1731	147	0.1131
37	0.2651	87	0.1121	151	0.1011
38	0.2471	88	0.0181	152	-0.1299
39	0.2201	89	-0.2879	153	-0.2529
40	0.1761	90	0.3001	154	-0.3669
41	0.0691	91	0.1671	155	0.2631
42	-0.0499	92	0.1231	156	0.1671
43	0.4011	93	0.0821	157	-0.0029
44	0.3641	94	0.0091	158	0.5001
45	0.3431	95	-0.2759	159	0.3111
46	0.3301	96	-0.2199	160	0.2831
47	0.3181	97	-0.2299	161	0.1641
48	0.3011	98	0.1581	162	0.4331
49	0.2771	99	0.1061	163	0.3371
50	0.2571	100	-0.0149	164	0.0301
51	0.2181	101	-0.1039	165	0.0701

ORF	CP	ORF	CP	ORF	CP
166	0.4421	217	0.0761	268	0.0511
167	0.3281	218	0.1701	269	0.3031
168	0.2591	219	0.2241	270	0.4001
169	0.1081	220	0.2071	271	-0.0689
170	0.3661	221	-0.3309	272	-0.0209
171	0.2791	222	-0.1499	273	0.3361
172	0.0271	223	0.1921	274	0.3841
173	0.2091	224	0.1771	275	0.4541
174	0.0731	225	0.4321	276	0.4021
175	-0.1219	226	0.3031	277	0.3141
176	-0.3659	227	-0.4069	278	-0.1859
177	-0.1339	228	-0.3569	279	-0.1219
178	-0.2269	229	-0.2859	280	-0.0069
179	-0.1209	230	-0.1369	281	0.1201
180	-0.3209	231	0.0711	282	0.2111
181	0.3351	232	0.1601	283	0.2271
182	0.5171	233	0.2161	284	0.2471
183	0.5111	234	0.2121	285	0.1951
184	0.6641	235	0.0231	286	-0.0989
185	0.7551	236	-0.0669	287	-0.0609
186	0.8421	237	0.0641	288	0.3191
187	0.9531	238	0.1311	289	0.3601
188	1.0351	239	0.4331	290	0.3351
189	1.0691	240	0.3501	291	-0.3279
190	-0.3469	241	-0.3049	292	0.0761
191	-0.3239	242	-0.2739	325	0.0481
192	-0.3559	244	-0.0709	326	0.0481
193	-0.3599	245	0.1171	327	0.0471
194	-0.3459	246	0.1761	328	0.0451
195	-0.3199	247	0.2151	329	0.0481
196	-0.3199	248	0.2191	330	0.0461
197	-0.3189	249	0.1901	331	0.0491
198	-0.3149	250	0.0481	332	0.0481
199	-0.3129	251	-0.3019	333	0.0471
200	-0.3099	252	0.0651	334	0.0491
201	-0.2999	253	0.3841	335	0.0471
202	-0.3019	254	0.2771	336	0.0481
203	-0.3009	255	-0.1889	337	0.0491
204	-0.2959	256	-0.1369	338	0.0491
205	0.3781	257	-0.0649	339	0.0481
206	0.4081	258	0.0551	340	0.0461
207	0.4091	259	0.1611	341	0.0481
208	0.4161	260	0.2021	350	-0.0909
210	0.5211	261	0.2181	351	0.0301
211	0.4981	262	0.2111	352	0.0441
212	0.3661	263	0.0561	353	0.0481
213	-0.5059	264	0.0951	354	0.0481
214	-0.4119	265	0.2911	355	0.0491
215	-0.3219	266	0.3471		
216	-0.1519	267	0.0211		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 287
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 17.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.104
TUNNEL DYNAMIC PRESSURE(PSF) = 740.
TUNNEL STAGNATION PRESSURE(PSF) = 1862.
TUNNEL STATIC PRESSURE(PSF) = 868.
REYNOLDS NUMBER PER FOOT = 3.9860E 06
MODEL ANGLE OF ATTACK(DEG) = -1.93
FIN ANGLE(DEG) = 0.34
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	1.0090
247	1.0080
347	1.0090
447	1.0100
547	1.0070
647	1.0070
747	1.0070

ORF	CP	ORF	CP	ORF	CP
1	0.2150	52	0.1340	102	-0.0830
2	-0.0700	53	-0.0820	103	-0.4650
3	-0.0880	54	-0.1880	104	-0.4360
4	0.0330	55	0.3610	105	-0.2660
5	0.0980	56	0.3190	110	-0.1830
6	0.1500	57	0.3050	111	-0.1970
7	0.1760	58	0.2890	112	-0.1550
8	0.1970	59	0.2680	113	-0.2200
9	0.2050	60	0.2470	114	-0.2330
10	0.2030	61	0.2180	115	-0.2090
11	0.1970	62	0.1800	116	-0.1450
12	0.1830	63	0.1190	117	-0.0990
13	0.1550	64	-0.2600	118	-0.0990
14	0.0290	65	-0.2470	119	-0.1000
15	-0.0340	66	0.3670	120	0.0370
16	0.0630	67	0.3240	121	-0.0300
17	0.0680	68	0.2920	122	-0.0570
18	0.1140	69	0.2670	123	-0.2280
19	0.1530	70	0.2400	124	-0.0820
20	0.1830	71	0.2080	125	-0.0620
21	0.2010	72	0.1620	126	-0.0170
22	0.2110	73	0.0820	127	-0.0440
23	0.2070	74	-0.2730	128	-0.2430
24	0.2060	75	0.3560	129	-0.1590
25	0.2000	76	0.3180	135	-0.0380
26	0.1770	77	0.2780	136	-0.0420
27	0.1390	78	0.2340	137	-0.0450
28	0.0170	79	0.1820	138	0.0300
29	-0.0610	80	0.1230	139	0.0420
30	0.1700	81	0.0070	140	0.0270
32	0.2130	82	-0.2870	141	0.1290
33	0.2310	83	0.3070	142	0.1270
34	0.2290	84	0.2750	143	0.1270
35	0.2290	85	0.2030	145	-0.0390
36	0.2290	86	0.1470	147	0.1290
37	0.2170	87	0.1000	151	0.0720
38	0.2060	88	0.0130	152	-0.1450
39	0.1850	89	-0.2890	153	-0.2750
40	0.1410	90	0.2340	154	-0.3710
41	0.0350	91	0.1580	155	0.2750
42	-0.0950	92	0.1220	156	0.1590
43	0.3120	93	0.0810	157	-0.0120
44	0.2920	94	0.0140	158	0.5360
45	0.2860	95	-0.2680	159	0.3200
46	0.2800	96	-0.3910	160	0.2830
47	0.2670	97	-0.2540	161	0.1730
48	0.2540	98	0.2130	162	0.4570
49	0.2350	99	0.1740	163	0.3520
50	0.2150	100	-0.0080	164	0.0220
51	0.1840	101	-0.1200	165	0.0810

ORF	CP	ORF	CP	ORF	CP
166	0.5160	217	0.0440	268	0.0220
167	0.3670	218	0.1420	269	0.3080
168	0.3020	219	0.1970	270	0.4140
169	0.1550	220	0.1810	271	-0.0920
170	0.3360	221	-0.3490	272	-0.0680
171	0.3100	222	-0.1700	273	0.3310
172	0.0510	223	0.1710	274	0.3880
173	0.2050	224	0.1510	275	0.4920
174	0.0810	225	0.4060	276	0.4350
175	-0.1070	226	0.2800	277	0.3130
176	-0.3690	227	-0.4070	278	-0.3480
177	-0.1540	228	-0.3880	279	-0.3370
178	-0.2670	229	-0.3290	280	-0.2810
179	-0.1590	230	-0.1840	281	-0.1430
180	-0.3180	231	0.0390	282	0.0740
181	0.3190	232	0.1310	283	0.1650
182	0.4920	233	0.1830	284	0.2020
183	0.5270	234	0.1790	285	0.1640
184	0.6920	235	0.0000	286	-0.1100
185	0.7700	236	-0.0980	287	-0.1130
186	0.8660	237	0.0470	288	0.3090
187	0.9820	238	0.1070	289	0.3760
188	1.0520	239	0.3850	290	0.3200
189	1.0910	240	0.3010	291	-0.2460
190	-0.3200	241	-0.3360	292	0.1270
191	-0.3220	242	-0.3050	325	0.0560
192	-0.3340	244	-0.0890	326	0.0600
193	-0.3270	245	0.0960	327	0.0570
194	-0.3220	246	0.1480	328	0.0550
195	-0.3190	247	0.1780	329	0.0540
196	-0.3230	248	0.1840	330	0.0560
197	-0.3140	249	0.1520	331	0.0600
198	-0.3120	250	0.0550	332	0.0570
199	-0.3130	251	-0.3010	333	0.0560
200	-0.3090	252	0.0460	334	0.0540
201	-0.2980	253	0.3730	335	0.0550
202	-0.2980	254	0.2520	336	0.0570
203	-0.2960	255	-0.2880	337	0.0570
204	-0.2960	256	-0.2590	338	0.0590
205	0.3920	257	-0.2380	339	0.0570
206	0.4260	258	-0.1530	340	0.0560
207	0.4150	259	0.0510	341	0.0550
208	0.4070	260	0.1460	350	-0.0450
210	0.4950	261	0.1860	351	0.0490
211	0.4760	262	0.1880	352	0.0580
212	0.3510	263	0.0300	353	0.0600
213	-0.5570	264	0.0720	354	0.0590
214	-0.4730	265	0.2910	355	0.0570
215	-0.3760	266	0.3490		
216	-0.2010	267	-0.0030		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 288
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 17.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.102
TUNNEL DYNAMIC PRESSURE(PSF) = 739.
TUNNEL STAGNATION PRESSURE(PSF) = 1862.
TUNNEL STATIC PRESSURE(PSF) = 870.
REYNOLDS NUMBER PER FOOT = 3.9860E 06
MODEL ANGLE OF ATTACK(DEG) = 0.06
FIN ANGLE(DEG) = 0.21
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	1.0077
247	1.0057
347	1.0067
447	1.0077
547	1.0097
647	1.0097
747	1.0097

ORF	CP	ORF	CP	ORF	CP
1	0.2637	52	0.1107	102	-0.0763
2	-0.1573	53	-0.1043	103	-0.4553
3	-0.2393	54	-0.2433	104	-0.4393
4	-0.1103	55	0.2857	105	-0.2543
5	-0.0073	56	0.2647	110	-0.1843
6	0.0797	57	0.2537	111	-0.1833
7	0.1177	58	0.2397	112	-0.1493
8	0.1577	59	0.2267	113	-0.2093
9	0.1717	60	0.2047	114	-0.2373
10	0.1797	61	0.1797	115	-0.2033
11	0.1867	62	0.1477	116	-0.1423
12	0.1697	63	0.0857	117	-0.0983
13	0.1387	64	-0.2763	118	-0.0983
14	0.0177	65	-0.2723	119	-0.0983
15	-0.0533	66	0.2917	120	0.0457
16	-0.0243	67	0.2667	121	-0.0263
17	-0.0903	68	0.2507	122	-0.0533
18	0.0067	69	0.2237	123	-0.2203
19	0.1147	70	0.1987	124	-0.1053
20	0.1447	71	0.1697	125	-0.0773
21	0.1687	72	0.1247	126	-0.0323
22	0.1847	73	0.0427	127	-0.0603
23	0.1887	74	-0.2933	128	-0.2623
24	0.1897	75	0.2817	129	-0.1683
25	0.1857	76	0.2517	135	-0.0303
26	0.1707	77	0.2157	136	-0.0333
27	0.1317	78	0.1837	137	-0.0333
28	0.0047	79	0.1397	138	0.0567
29	-0.0963	80	0.0897	139	0.0637
30	0.0157	81	-0.0283	140	0.0487
32	0.1727	82	-0.3053	141	0.1387
33	0.1807	83	0.2397	142	0.1397
34	0.1917	84	0.2187	143	0.1427
35	0.1977	85	0.1637	145	-0.0273
36	0.2047	86	0.1297	147	0.1377
37	0.1977	87	0.0857	151	0.1127
38	0.1857	88	0.0037	152	-0.1453
39	0.1657	89	-0.3163	153	-0.2563
40	0.1267	90	0.1657	154	-0.4033
41	0.0237	91	0.1487	155	0.2387
42	-0.1523	92	0.1117	156	0.1867
43	0.2467	93	0.0747	157	-0.0033
44	0.2397	94	0.0097	158	0.5187
45	0.2367	95	-0.3153	159	0.3627
46	0.2307	96	-0.2153	160	0.3017
47	0.2287	97	-0.2673	161	0.1857
48	0.2237	98	0.2347	162	0.4877
49	0.2047	99	0.2127	163	0.4007
50	0.1907	100	-0.0153	164	0.0667
51	0.1597	101	-0.1183	165	0.1117

ORF	CP	ORF	CP	ORF	CP
166	0.5757	217	0.0797	268	0.0077
167	0.3867	218	0.1437	269	0.3057
168	0.3337	219	0.1727	270	0.3917
169	0.1967	220	0.1467	271	-0.0943
170	0.4197	221	-0.3503	272	-0.0823
171	0.2787	222	-0.1713	273	0.3237
172	0.0207	223	0.1487	274	0.3847
173	0.1497	224	0.1247	275	0.5177
174	0.0267	225	0.3827	276	0.4847
175	-0.2373	226	0.2527	277	0.3537
176	-0.3913	227	-0.3283	278	-0.5193
177	-0.1243	228	-0.3093	279	-0.4423
178	-0.2523	229	-0.2603	280	-0.3873
179	-0.1903	230	-0.1263	281	-0.2503
180	-0.3263	231	0.0657	282	-0.0493
181	0.3367	232	0.1357	283	0.0757
182	0.5457	233	0.1627	284	0.1897
183	0.5357	234	0.1527	285	0.1607
184	0.6897	235	-0.0213	286	-0.1113
185	0.7837	236	-0.1133	287	-0.1243
186	0.8797	237	0.0377	288	0.3057
187	0.9477	238	0.0927	289	0.3897
188	0.9347	239	0.3707	290	0.3257
189	1.0237	240	0.2847	291	-0.2033
190	-0.3223	241	-0.3123	292	0.1797
191	-0.3373	242	-0.2983	325	0.0637
192	-0.3363	244	-0.0923	326	0.0657
193	-0.3353	245	0.0747	327	0.0637
194	-0.3233	246	0.1177	328	0.0637
195	-0.3353	247	0.1557	329	0.0647
196	-0.3363	248	0.1687	330	0.0647
197	-0.3233	249	0.1377	331	0.0657
198	-0.3263	250	0.0697	332	0.0657
199	-0.3263	251	-0.3113	333	0.0647
200	-0.3223	252	0.0597	334	0.0657
201	-0.3143	253	0.4137	335	0.0657
202	-0.3133	254	0.2897	336	0.0627
203	-0.3103	255	-0.3783	337	0.0627
204	-0.3083	256	-0.3643	338	0.0647
205	0.3817	257	-0.3353	339	0.0637
206	0.4047	258	-0.2563	340	0.0647
207	0.3957	259	-0.0523	341	0.0637
208	0.4007	260	0.0897	350	-0.0983
210	0.4477	261	0.1797	351	0.0497
211	0.4327	262	0.1817	352	0.0667
212	0.3207	263	0.0097	353	0.0697
213	-0.4613	264	0.0677	354	0.0717
214	-0.3643	265	0.2987	355	0.0677
215	-0.2863	266	0.3427		
216	-0.1133	267	-0.0183		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 289
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 17.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.099
TUNNEL DYNAMIC PRESSURE(PSF) = 737.
TUNNEL STAGNATION PRESSURE(PSF) = 1860.
TUNNEL STATIC PRESSURE(PSF) = 872.
REYNOLDS NUMBER PER FOOT = 3.9820E 06
MODEL ANGLE OF ATTACK(DEG) = 2.08
FIN ANGLE(DEG) = 0.24
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	1.0048
247	1.0038
347	1.0048
447	1.0048
547	1.0018
647	1.0018
747	1.0018

ORF	CP	ORF	CP	ORF	CP
1	0.2078	52	0.0288	102	-0.1062
2	-0.1902	53	-0.1702	103	-0.4992
3	-0.2432	54	-0.1842	104	-0.4632
4	-0.0992	55	0.1598	105	-0.3042
5	-0.0092	56	0.1658	110	-0.1822
6	0.0508	57	0.1688	111	-0.1742
7	0.0898	58	0.1568	112	-0.1432
8	0.1118	59	0.1458	113	-0.2092
9	0.1228	60	0.1318	114	-0.2472
10	0.1258	61	0.1098	115	-0.2092
11	0.1278	62	0.0728	116	-0.1542
12	0.1158	63	0.0198	117	-0.1302
13	0.0898	64	-0.3112	118	-0.1112
14	-0.0352	65	-0.2842	119	-0.1092
15	-0.0902	66	0.1648	120	0.0368
16	-0.0152	67	0.1698	121	-0.0422
17	-0.0432	68	0.1648	122	-0.0552
18	0.0178	69	0.1468	123	-0.2242
19	0.0598	70	0.1278	124	-0.1252
20	0.0908	71	0.1008	125	-0.0942
21	0.1138	72	0.0618	126	-0.0502
22	0.1248	73	-0.0092	127	-0.0732
23	0.1308	74	-0.3232	128	-0.2692
24	0.1338	75	0.1648	129	-0.1782
25	0.1248	76	0.1598	135	-0.0422
26	0.1068	77	0.1368	136	-0.0412
27	0.0678	78	0.1148	137	-0.0402
28	-0.0522	79	0.0758	138	0.0428
29	-0.1152	80	0.0418	139	0.0348
30	0.0348	81	-0.0622	140	0.0428
32	0.0898	82	-0.3252	141	0.1328
33	0.1128	83	0.1418	142	0.1388
34	0.1328	84	0.1328	143	0.1388
35	0.1418	85	0.0918	145	-0.0392
36	0.1378	86	0.0788	147	0.1358
37	0.1348	87	0.0448	151	0.1148
38	0.1258	88	-0.0312	152	-0.1412
39	0.1028	89	-0.3302	153	-0.2432
40	0.0588	90	0.0828	154	-0.3682
41	-0.0512	91	0.0978	155	0.1478
42	-0.1302	92	0.0688	156	0.1518
43	0.1168	93	0.0408	157	-0.0212
44	0.1398	94	-0.0192	158	0.3948
45	0.1478	95	-0.3272	159	0.2658
46	0.1528	96	-0.1062	160	0.1998
47	0.1528	97	-0.2372	161	0.0758
48	0.1438	98	0.2308	162	0.3538
49	0.1338	99	0.2158	163	0.2538
50	0.1158	100	-0.0592	164	0.0498
51	0.0838	101	-0.1492	165	0.0018

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 290
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 17.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.096
TUNNEL DYNAMIC PRESSURE(PSF) = 736.
TUNNEL STAGNATION PRESSURE(PSF) = 1860.
TUNNEL STATIC PRESSURE(PSF) = 875.
REYNOLDS NUMBER PER FOOT = 3.9780E 06
MODEL ANGLE OF ATTACK(DEG) = 4.01
FIN ANGLE(DEG) = 0.79
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	1.0031
247	1.0021
347	1.0021
447	1.0031
547	0.9991
647	0.9991
747	1.0001

ORF	CP	ORF	CP	ORF	CP
1	0.1341	52	-0.0389	102	-0.1199
2	-0.2149	53	-0.1959	103	-0.5229
3	-0.2449	54	-0.1599	104	-0.4979
4	-0.1499	55	-0.1269	105	-0.3479
5	-0.0509	56	0.0081	110	-0.1709
6	0.0061	57	0.0781	111	-0.1619
7	0.0391	58	0.0801	112	-0.1369
8	0.0471	59	0.0731	113	-0.2139
9	0.0651	60	0.0571	114	-0.2629
10	0.0681	61	0.0361	115	-0.2189
11	0.0661	62	0.0031	116	-0.1519
12	0.0581	63	-0.0459	117	-0.1069
13	0.0301	64	-0.3279	118	-0.1079
14	-0.0789	65	-0.2759	119	-0.1109
15	-0.1209	66	-0.1789	120	0.0291
16	-0.0669	67	0.0001	121	-0.0489
17	-0.0889	68	0.0631	122	-0.0499
18	-0.0669	69	0.0731	123	-0.2379
19	-0.0299	70	0.0551	124	-0.1289
20	0.0001	71	0.0321	125	-0.1019
21	0.0371	72	-0.0019	126	-0.0639
22	0.0581	73	-0.0659	127	-0.0879
23	0.0621	74	-0.3399	128	-0.2619
24	0.0641	75	-0.2169	129	-0.1809
25	0.0591	76	-0.0399	135	-0.0599
26	0.0411	77	0.0501	136	-0.0509
27	0.0001	78	0.0521	137	-0.0519
28	-0.0989	79	0.0221	138	0.0421
29	-0.1329	80	-0.0139	139	0.0471
30	-0.0539	81	-0.1049	140	0.0381
32	-0.0039	82	-0.3309	141	0.1251
33	0.0171	83	-0.1859	142	0.1321
34	0.0371	84	-0.0899	143	0.1251
35	0.0561	85	0.0031	145	-0.0579
36	0.0621	86	0.0211	147	0.1251
37	0.0591	87	0.0141	151	0.1071
38	0.0501	88	-0.0569	152	-0.1579
39	0.0261	89	-0.3339	153	-0.2739
40	-0.0139	90	-0.2529	154	-0.3479
41	-0.1029	91	-0.1119	155	0.0351
42	-0.1359	92	-0.0109	156	0.0961
43	-0.1159	93	0.0061	157	-0.0619
44	0.0221	94	-0.0519	158	0.2801
45	0.0601	95	-0.3259	159	0.1741
46	0.0701	96	-0.0979	160	0.0991
47	0.0721	97	-0.1979	161	-0.0219
48	0.0701	98	0.2501	162	0.2721
49	0.0591	99	0.2401	163	0.1701
50	0.0381	100	-0.1029	164	0.0571
51	0.0081	101	-0.1659	165	-0.0549

ORF	CP	ORF	CP	ORF	CP
166	0.3921	217	0.0101	268	-0.0009
167	0.1991	218	0.0681	269	0.2081
168	0.1631	219	0.0931	270	0.2501
169	0.0481	220	0.0691	271	-0.1429
170	0.3111	221	-0.3609	272	-0.0289
171	0.1411	222	-0.2389	273	0.2101
172	-0.0729	223	0.0721	274	0.2321
173	0.0861	224	0.0491	275	0.4511
174	-0.0149	225	0.3181	276	0.3511
175	-0.2239	226	0.1951	277	0.2051
176	-0.3419	227	-0.4209	278	-0.4929
177	-0.1169	228	-0.3779	279	-0.4799
178	-0.1859	229	-0.3339	280	-0.4499
179	-0.1459	230	-0.1939	281	-0.3009
180	-0.3159	231	-0.0139	282	-0.1019
181	0.2331	232	0.0401	283	0.0081
182	0.3861	233	0.0781	284	0.0701
183	0.4061	234	0.0711	285	0.0501
184	0.4821	235	-0.0899	286	-0.1599
185	0.5011	236	-0.1509	287	-0.0999
186	0.5111	237	-0.0289	288	0.1971
187	0.5571	238	0.0271	289	0.2501
188	0.6331	239	0.3971	290	0.2421
189	0.6831	240	0.3051	291	-0.3129
190	-0.3139	241	-0.7299	292	0.2131
191	-0.3379	242	-0.6319	325	0.0501
192	-0.3199	244	-0.2869	326	0.0511
193	-0.3259	245	-0.0649	327	0.0521
194	-0.3149	246	0.0311	328	0.0521
195	-0.3279	247	0.0811	329	0.0511
196	-0.3389	248	0.0911	330	0.0511
197	-0.3199	249	0.0721	331	0.0531
198	-0.3199	250	0.0531	332	0.0541
199	-0.3179	251	-0.3089	333	0.0531
200	-0.3169	252	0.0131	334	0.0521
201	-0.3069	253	0.4181	335	0.0521
202	-0.3029	254	0.2741	336	0.0511
203	-0.3059	255	-0.6049	337	0.0511
204	-0.3039	256	-0.5239	338	0.0521
205	0.3471	257	-0.4789	339	0.0531
206	0.3651	258	-0.3859	340	0.0521
207	0.3681	259	-0.1559	341	0.0511
208	0.3691	260	-0.0129	350	-0.1119
210	0.4051	261	0.0761	351	0.0331
211	0.3391	262	0.0801	352	0.0511
212	0.2251	263	-0.0689	353	0.0521
213	-0.4569	264	0.0261	354	0.0531
214	-0.3919	265	0.2211	355	0.0541
215	-0.3389	266	0.2411		
216	-0.1549	267	-0.0989		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 291
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 17.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.105
TUNNEL DYNAMIC PRESSURE(PSF) = 740.
TUNNEL STAGNATION PRESSURE(PSF) = 1861.
TUNNEL STATIC PRESSURE(PSF) = 866.
REYNOLDS NUMBER PER FOOT = 3.9820E 06
MODEL ANGLE OF ATTACK(DEG) = 6.00
FIN ANGLE(DEG) = 1.17
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	1.0097
247	1.0087
347	1.0087
447	1.0097
547	1.0117
647	1.0107
747	1.0107

ORF	CP	ORF	CP	ORF	CP
1	0.1017	52	-0.0713	102	-0.1273
2	-0.2803	53	-0.1943	103	-0.5443
3	-0.3073	54	-0.1603	104	-0.5293
4	-0.2013	55	-0.4093	105	-0.3853
5	-0.1293	56	-0.2693	110	-0.1303
6	-0.0633	57	-0.1373	111	-0.1273
7	-0.0303	58	-0.0193	112	-0.1003
8	-0.0133	59	-0.0023	113	-0.1813
9	0.0027	60	0.0197	114	-0.2603
10	0.0247	61	0.0337	115	-0.2063
11	0.0227	62	-0.0103	116	-0.1253
12	0.0137	63	-0.0713	117	-0.0803
13	-0.0033	64	-0.3273	118	-0.0823
14	-0.0983	65	-0.2693	119	-0.0953
15	-0.1293	66	-0.3963	120	0.0307
16	-0.1403	67	-0.3313	121	-0.0323
17	-0.1783	68	-0.2163	122	-0.0583
18	-0.1653	69	-0.0593	123	-0.2163
19	-0.1263	70	0.0467	124	-0.1353
20	-0.0773	71	0.0227	125	-0.1093
21	-0.0483	72	-0.0133	126	-0.0713
22	-0.0333	73	-0.0803	127	-0.0943
23	-0.0113	74	-0.3323	128	-0.2473
24	-0.0123	75	-0.3283	129	-0.1683
25	-0.0003	76	-0.3273	135	-0.0653
26	-0.0173	77	-0.2543	136	-0.0653
27	-0.0433	78	-0.1533	137	-0.0633
28	-0.1213	79	-0.0483	138	0.0367
29	-0.1413	80	-0.0223	139	0.0467
30	-0.1523	81	-0.1073	140	0.0467
32	-0.1073	82	-0.3073	141	0.1357
33	-0.0823	83	-0.2533	142	0.1367
34	-0.0663	84	-0.2873	143	0.1287
35	-0.0473	85	-0.2633	145	-0.0653
36	-0.0243	86	-0.1793	147	0.1357
37	-0.0123	87	-0.1393	151	0.0917
38	-0.0043	88	-0.1423	152	-0.1773
39	-0.0223	89	-0.2993	153	-0.2803
40	-0.0573	90	-0.3403	154	-0.3053
41	-0.1223	91	-0.3043	155	-0.0143
42	-0.1403	92	-0.2353	156	0.0617
43	-0.3143	93	-0.1813	157	-0.0833
44	-0.1273	94	-0.1973	158	0.2387
45	-0.0503	95	-0.3003	159	0.1507
46	-0.0073	96	-0.1213	160	0.0737
47	0.0027	97	-0.2223	161	-0.0503
48	0.0187	98	0.2727	162	0.2617
49	0.0107	99	0.2877	163	0.1597
50	0.0017	100	-0.1273	164	0.0437
51	-0.0213	101	-0.1693	165	-0.0563

ORF	CP	ORF	CP	ORF	CP
166	0.3887	217	-0.1103	268	-0.0433
167	0.2197	218	0.0087	269	0.1657
168	0.1907	219	0.0567	270	0.2007
169	0.0837	220	0.0547	271	-0.1473
170	0.2807	221	-0.3873	272	-0.0683
171	0.1607	222	-0.2813	273	0.1807
172	-0.0483	223	0.0637	274	0.2077
173	0.1007	224	0.0647	275	0.4407
174	-0.0053	225	0.3307	276	0.3167
175	-0.1893	226	0.1977	277	0.1757
176	-0.3263	227	-0.8303	278	-0.6173
177	-0.1403	228	-0.7583	279	-0.5643
178	-0.2293	229	-0.6213	280	-0.5443
179	-0.1883	230	-0.3913	281	-0.3783
180	-0.2983	231	-0.1133	282	-0.1643
181	0.2077	232	-0.0113	283	-0.0643
182	0.3547	233	0.0567	284	0.0047
183	0.4037	234	0.0707	285	0.0017
184	0.4977	235	-0.1043	286	-0.1573
185	0.5167	236	-0.1563	287	-0.1143
186	0.5447	237	-0.0333	288	0.1797
187	0.6487	238	0.0417	289	0.2507
188	0.7757	239	0.3997	290	0.2097
189	0.8757	240	0.3067	291	-0.3213
190	-0.3003	241	-0.8823	292	0.2707
191	-0.3343	242	-0.7943	325	0.0527
192	-0.3113	244	-0.4763	326	0.0557
193	-0.3113	245	-0.1193	327	0.0517
194	-0.3063	246	-0.0063	328	0.0517
195	-0.3253	247	0.0437	329	0.0507
196	-0.3273	248	0.0767	330	0.0527
197	-0.3103	249	0.0537	331	0.0567
198	-0.3073	250	0.0577	332	0.0527
199	-0.3023	251	-0.2913	333	0.0527
200	-0.3063	252	-0.0173	334	0.0507
201	-0.2943	253	0.3867	335	0.0537
202	-0.2933	254	0.2307	336	0.0537
203	-0.2933	255	-0.8543	337	0.0537
204	-0.2953	256	-0.7943	338	0.0557
205	0.3427	257	-0.7043	339	0.0517
206	0.3727	258	-0.4543	340	0.0517
207	0.3687	259	-0.2183	341	0.0507
208	0.3597	260	-0.0613	350	-0.0963
210	0.4417	261	0.0197	351	0.0437
211	0.3607	262	0.0367	352	0.0557
212	0.2337	263	-0.1063	353	0.0567
213	-0.7133	264	-0.0233	354	0.0577
214	-0.6853	265	0.1877	355	0.0557
215	-0.5663	266	0.1987		
216	-0.4093	267	-0.1173		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 292
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 17.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.104
TUNNEL DYNAMIC PRESSURE(PSF) = 741.
TUNNEL STAGNATION PRESSURE(PSF) = 1862.
TUNNEL STATIC PRESSURE(PSF) = 867.
REYNOLDS NUMBER PER FOOT = 3.9820E 06
MODEL ANGLE OF ATTACK(DEG) = 7.95
FIN ANGLE(DEG) = 1.16
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 547.

SCANIVALE	CP(REF)
147	1.0090
247	1.0080
347	1.0090
447	1.0100
547	1.0070
647	1.0070
747	1.0070

ORF	CP	ORF	CP	ORF	CP
1	0.0880	52	-0.1390	102	-0.1740
2	-0.2580	53	-0.2420	103	-0.5690
3	-0.2700	54	-0.2020	104	-0.5610
4	-0.1920	55	-0.4870	105	-0.4200
5	-0.1340	56	-0.3650	110	-0.1030
6	-0.0700	57	-0.1680	111	-0.1030
7	-0.0340	58	-0.0500	112	-0.0810
8	-0.0160	59	-0.0260	113	-0.1680
9	-0.0040	60	-0.0440	114	-0.2690
10	-0.0040	61	-0.0680	115	-0.2100
11	-0.0030	62	-0.0930	116	-0.1320
12	-0.0130	63	-0.1300	117	-0.0900
13	-0.0320	64	-0.3350	118	-0.0720
14	-0.1390	65	-0.3050	119	-0.0920
15	-0.1720	66	-0.4810	120	0.0350
16	-0.1100	67	-0.4690	121	-0.0520
17	-0.1390	68	-0.3990	122	-0.0720
18	-0.1270	69	-0.2590	123	-0.1950
19	-0.0880	70	-0.1130	124	-0.1370
20	-0.0680	71	-0.0590	125	-0.1100
21	-0.0470	72	-0.0670	126	-0.0770
22	-0.0290	73	-0.1130	127	-0.1000
23	-0.0120	74	-0.3480	128	-0.2390
24	-0.0140	75	-0.4610	129	-0.1570
25	-0.0120	76	-0.4690	135	-0.0690
26	-0.0230	77	-0.4580	136	-0.0700
27	-0.0660	78	-0.3890	137	-0.0710
28	-0.1660	79	-0.2810	138	0.0510
29	-0.1890	80	-0.1660	139	0.0570
30	-0.1230	81	-0.1860	140	0.0490
32	-0.1010	82	-0.3060	141	0.1520
33	-0.0700	83	-0.3850	142	0.1450
34	-0.0560	84	-0.4660	143	0.1350
35	-0.0430	85	-0.4620	145	-0.0660
36	-0.0400	86	-0.4210	147	0.1440
37	-0.0410	87	-0.3710	151	0.0430
38	-0.0520	88	-0.2970	152	-0.1950
39	-0.0580	89	-0.3380	153	-0.2660
40	-0.0980	90	-0.4490	154	-0.2790
41	-0.1670	91	-0.4530	155	-0.0060
42	-0.1850	92	-0.4120	156	0.0240
43	-0.3230	93	-0.3920	157	-0.1110
44	-0.1170	94	-0.4020	158	0.2090
45	-0.0680	95	-0.3950	159	0.1110
46	-0.0540	96	-0.1490	160	0.0470
47	-0.0550	97	-0.2700	161	-0.0730
48	-0.0460	98	0.2890	162	0.2530
49	-0.0560	99	0.2920	163	0.1520
50	-0.0690	100	-0.1510	164	0.0560
51	-0.0930	101	-0.2140	165	-0.0640

ORF	CP	ORF	CP	ORF	CP
166	0.4130	217	-0.2400	268	-0.0870
167	0.2430	218	-0.0360	269	0.1280
168	0.2230	219	0.0750	270	0.1690
169	0.1210	220	0.0790	271	-0.1950
170	0.3450	221	-0.4270	272	-0.1160
171	0.1850	222	-0.3340	273	0.1450
172	-0.0360	223	0.0620	274	0.1760
173	0.0640	224	0.0780	275	0.4090
174	-0.0470	225	0.3590	276	0.3130
175	-0.2770	226	0.2240	277	0.1740
176	-0.3780	227	-0.8940	278	-0.5630
177	-0.1810	228	-0.8320	279	-0.5410
178	-0.2760	229	-0.7670	280	-0.4860
179	-0.2110	230	-0.5800	281	-0.3340
180	-0.2990	231	-0.1720	282	-0.1490
181	0.1600	232	-0.0130	283	-0.0510
182	0.2990	233	0.0580	284	0.0040
183	0.4230	234	0.0800	285	-0.0130
184	0.5530	235	-0.1270	286	-0.2060
185	0.6100	236	-0.1540	287	-0.1610
186	0.6690	237	-0.0210	288	0.1440
187	0.7740	238	0.0740	289	0.2340
188	0.8540	239	0.3860	290	0.1780
189	0.9320	240	0.2930	291	-0.2700
190	-0.2980	241	-0.8820	292	0.3300
191	-0.3460	242	-0.7890	325	0.0630
192	-0.3080	244	-0.5000	326	0.0660
193	-0.3180	245	-0.1080	327	0.0640
194	-0.3090	246	-0.0300	328	0.0650
195	-0.3330	247	0.0210	329	0.0660
196	-0.3340	248	0.0580	330	0.0650
197	-0.3070	249	0.0260	331	0.0660
198	-0.3070	250	0.0670	332	0.0650
199	-0.3030	251	-0.2880	333	0.0650
200	-0.3150	252	-0.0530	334	0.0660
201	-0.2990	253	0.3670	335	0.0660
202	-0.2950	254	0.2200	336	0.0640
203	-0.2960	255	-0.7240	337	0.0640
204	-0.2970	256	-0.6370	338	0.0660
205	0.3140	257	-0.5550	339	0.0640
206	0.3500	258	-0.4190	340	0.0650
207	0.3250	259	-0.2110	341	0.0660
208	0.3080	260	-0.0730	350	-0.0970
210	0.4830	261	-0.0090	351	0.0460
211	0.4070	262	0.0110	352	0.0640
212	0.2790	263	-0.1500	353	0.0660
213	-0.7280	264	-0.0870	354	0.0660
214	-0.7020	265	0.1380	355	0.0640
215	-0.6390	266	0.1680		
216	-0.5310	267	-0.1620		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 293
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 17.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.096
TUNNEL DYNAMIC PRESSURE(PSF) = 741.
TUNNEL STAGNATION PRESSURE(PSF) = 1871.
TUNNEL STATIC PRESSURE(PSF) = 881.
REYNOLDS NUMBER PER FOOT = 3.9930E 06
MODEL ANGLE OF ATTACK(DEG) = 12.00
FIN ANGLE(DEG) = 1.15
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 547.

SCANIVALE	CP(REF)
147	0.9901
247	0.9891
347	0.9901
447	0.9901
547	0.9861
647	0.9861
747	0.9861

ORF	CP	ORF	CP	ORF	CP
1	0.0491	52	-0.2169	102	-0.2759
2	-0.2399	53	-0.3529	103	-0.5609
3	-0.2099	54	-0.2879	104	-0.5319
4	-0.1399	55	-0.2589	105	-0.4389
5	-0.0909	56	-0.1609	110	-0.0579
6	-0.0629	57	-0.1339	111	-0.0719
7	-0.0439	58	-0.1399	112	-0.0519
8	-0.0319	59	-0.1529	113	-0.1489
9	-0.0249	60	-0.1679	114	-0.3109
10	-0.0249	61	-0.1879	115	-0.1959
11	-0.0309	62	-0.2229	116	-0.0649
12	-0.0439	63	-0.2729	117	-0.0469
13	-0.0729	64	-0.3919	118	-0.0469
14	-0.1999	65	-0.3959	119	-0.0919
15	-0.2519	66	-0.5499	120	0.0241
16	-0.0869	67	-0.3839	121	-0.0619
17	-0.0929	68	-0.2549	122	-0.0919
18	-0.0769	69	-0.2019	123	-0.1829
19	-0.0599	70	-0.1999	124	-0.1509
20	-0.0479	71	-0.2179	125	-0.1289
21	-0.0429	72	-0.2469	126	-0.0999
22	-0.0359	73	-0.3149	127	-0.1169
23	-0.0309	74	-0.4299	128	-0.2329
24	-0.0359	75	-0.5879	129	-0.1349
25	-0.0429	76	-0.6329	135	-0.0899
26	-0.0619	77	-0.5849	136	-0.0839
27	-0.1029	78	-0.4239	137	-0.0889
28	-0.2059	79	-0.3199	138	0.0291
29	-0.2679	80	-0.2819	139	0.0241
30	-0.0519	81	-0.3409	140	0.0351
32	-0.0539	82	-0.4429	141	0.1311
33	-0.0529	83	-0.4929	142	0.1381
34	-0.0529	84	-0.6369	143	0.1371
35	-0.0529	85	-0.6569	145	-0.0889
36	-0.0549	86	-0.6219	147	0.1371
37	-0.0599	87	-0.5419	151	-0.0399
38	-0.0739	88	-0.4279	152	-0.2269
39	-0.0949	89	-0.4469	153	-0.2639
40	-0.1379	90	-0.6139	154	-0.2559
41	-0.2309	91	-0.6269	155	-0.1009
42	-0.2759	92	-0.6089	156	-0.0479
43	-0.0929	93	-0.6289	157	-0.1459
44	-0.0869	94	-0.6449	158	0.1731
45	-0.0909	95	-0.5539	159	0.0051
46	-0.0909	96	-0.1459	160	-0.0449
47	-0.0959	97	-0.3289	161	-0.1279
48	-0.1049	98	0.1341	162	0.1261
49	-0.1179	99	0.2201	163	0.0361
50	-0.1399	100	-0.1709	164	0.0291
51	-0.1679	101	-0.3039	165	-0.1409

ORF	CP	ORF	CP	ORF	CP
166	0.2521	217	-0.4599	268	-0.1929
167	0.0981	218	-0.3759	269	0.0511
168	0.0611	219	0.0301	270	0.1151
169	-0.0389	220	0.1191	271	-0.2839
170	0.1211	221	-0.5359	272	-0.1869
171	0.0251	222	-0.3529	273	0.0591
172	-0.1429	223	0.0031	274	0.0821
173	0.0071	224	0.0551	275	0.2991
174	-0.0959	225	0.4141	276	0.2381
175	-0.2189	226	0.2791	277	0.1171
176	-0.3079	227	-0.8929	278	-0.5659
177	-0.2479	228	-0.8399	279	-0.5159
178	-0.2919	229	-0.7879	280	-0.4089
179	-0.2369	230	-0.6549	281	-0.2469
180	-0.3039	231	-0.4919	282	-0.0959
181	0.1741	232	-0.3669	283	-0.0559
182	0.2931	233	0.0611	284	-0.0239
183	0.2921	234	0.1231	285	-0.0519
184	0.4131	235	-0.1849	286	-0.3009
185	0.4511	236	-0.1809	287	-0.2689
186	0.5001	237	-0.0159	288	0.0371
187	0.5291	238	0.1011	289	0.1131
188	0.5451	239	0.3571	290	0.0771
189	0.5661	240	0.2801	291	-0.2259
190	-0.3339	241	-0.8939	292	0.3991
191	-0.3809	242	-0.8009	325	0.0601
192	-0.3529	244	-0.6539	326	0.0601
193	-0.3679	245	-0.4159	327	0.0581
194	-0.3529	246	-0.1339	328	0.0601
195	-0.3649	247	0.0051	329	0.0581
196	-0.3699	248	0.0441	330	0.0561
197	-0.3469	249	-0.0309	331	0.0601
198	-0.3409	250	0.0571	332	0.0591
199	-0.3359	251	-0.3029	333	0.0611
200	-0.3489	252	-0.1629	334	0.0581
201	-0.3309	253	0.2831	335	0.0561
202	-0.3279	254	0.1431	336	0.0611
203	-0.3289	255	-0.7029	337	0.0611
204	-0.3289	256	-0.6689	338	0.0611
205	0.2261	257	-0.5769	339	0.0581
206	0.2591	258	-0.4409	340	0.0601
207	0.2401	259	-0.2289	341	0.0581
208	0.2231	260	-0.0979	350	-0.0959
210	0.5421	261	-0.0279	351	0.0411
211	0.4661	262	-0.0269	352	0.0571
212	0.3411	263	-0.2179	353	0.0561
213	-0.7299	264	-0.2129	354	0.0561
214	-0.7179	265	0.0621	355	0.0561
215	-0.6599	266	0.0851		
216	-0.5609	267	-0.2409		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 294
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 17.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.093
TUNNEL DYNAMIC PRESSURE(PSF) = 739.
TUNNEL STAGNATION PRESSURE(PSF) = 1872.
TUNNEL STATIC PRESSURE(PSF) = 885.
REYNOLDS NUMBER PER FOOT = 3.9890E 06
MODEL ANGLE OF ATTACK(DEG) = 14.11
FIN ANGLE(DEG) = 1.16
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 547.

SCANIVALE	CP(REF)
147	0.9854
247	0.9844
347	0.9854
447	0.9854
547	0.9774
647	0.9774
747	0.9784

ORF	CP	ORF	CP	ORF	CP
1	-0.0016	52	-0.2216	102	-0.2936
2	-0.2726	53	-0.3556	103	-0.5726
3	-0.2586	54	-0.3066	104	-0.5446
4	-0.1906	55	-0.2836	105	-0.4556
5	-0.1386	56	-0.1996	110	-0.0276
6	-0.0996	57	-0.1666	111	-0.0486
7	-0.0786	58	-0.1626	112	-0.0286
8	-0.0676	59	-0.1676	113	-0.1356
9	-0.0556	60	-0.1796	114	-0.3566
10	-0.0516	61	-0.2036	115	-0.1976
11	-0.0566	62	-0.2366	116	-0.0326
12	-0.0626	63	-0.2856	117	-0.0376
13	-0.0896	64	-0.4206	118	-0.0376
14	-0.2086	65	-0.4126	119	-0.0766
15	-0.2666	66	-0.4696	120	0.0034
16	-0.1456	67	-0.3756	121	-0.1106
17	-0.1536	68	-0.3036	122	-0.1326
18	-0.1276	69	-0.2546	123	-0.2806
19	-0.1036	70	-0.2436	124	-0.1696
20	-0.0856	71	-0.2536	125	-0.1536
21	-0.0736	72	-0.2846	126	-0.1256
22	-0.0606	73	-0.3446	127	-0.1356
23	-0.0556	74	-0.4466	128	-0.2486
24	-0.0556	75	-0.5896	129	-0.1536
25	-0.0616	76	-0.5856	135	-0.1196
26	-0.0766	77	-0.5116	136	-0.1156
27	-0.1106	78	-0.4176	137	-0.1206
28	-0.2176	79	-0.3626	138	-0.0086
29	-0.2866	80	-0.3496	139	-0.0006
30	-0.1216	81	-0.4136	140	0.0044
32	-0.0906	82	-0.4646	141	0.1424
33	-0.0766	83	-0.5146	142	0.1484
34	-0.0766	84	-0.6556	143	0.1414
35	-0.0676	85	-0.6356	145	-0.1206
36	-0.0666	86	-0.5736	147	0.1424
37	-0.0726	87	-0.4926	151	-0.0806
38	-0.0816	88	-0.4436	152	-0.2826
39	-0.1026	89	-0.4596	153	-0.2826
40	-0.1406	90	-0.6516	154	-0.2656
41	-0.2306	91	-0.6816	155	-0.1616
42	-0.2976	92	-0.6736	156	-0.0726
43	-0.1526	93	-0.6606	157	-0.1596
44	-0.1226	94	-0.6316	158	0.1554
45	-0.0996	95	-0.5376	159	-0.0256
46	-0.1026	96	-0.1336	160	-0.0626
47	-0.1026	97	-0.3486	161	-0.1356
48	-0.1096	98	0.0914	162	0.1034
49	-0.1226	99	0.1834	163	0.0194
50	-0.1436	100	-0.1886	164	-0.0026
51	-0.1736	101	-0.3296	165	-0.1506

ORF	CP	ORF	CP	ORF	CP
166	0.2224	217	-0.4796	268	-0.2156
167	0.0594	218	-0.4186	269	0.0214
168	0.0264	219	-0.1546	270	0.0954
169	-0.0706	220	0.1004	271	-0.3036
170	0.0434	221	-0.5616	272	-0.2246
171	0.0044	222	-0.3266	273	0.0334
172	-0.1576	223	0.0084	274	0.0524
173	0.0124	224	0.0624	275	0.2594
174	-0.0956	225	0.4174	276	0.1854
175	-0.2166	226	0.2834	277	0.0764
176	-0.3126	227	-0.8986	278	-0.6246
177	-0.3016	228	-0.8436	279	-0.5676
178	-0.3516	229	-0.7926	280	-0.4796
179	-0.3086	230	-0.6816	281	-0.3086
180	-0.3126	231	-0.5316	282	-0.1406
181	0.1934	232	-0.4286	283	-0.0996
182	0.3024	233	-0.0406	284	-0.0496
183	0.2614	234	0.1194	285	-0.0736
184	0.3724	235	-0.1746	286	-0.3146
185	0.4184	236	-0.2036	287	-0.2966
186	0.4494	237	0.0184	288	0.0074
187	0.4784	238	0.1124	289	0.0704
188	0.5214	239	0.3384	290	0.0664
189	0.5304	240	0.2674	291	-0.1996
190	-0.3426	241	-0.9036	292	0.4274
191	-0.3986	242	-0.8236	325	0.0424
192	-0.3556	244	-0.7066	326	0.0454
193	-0.3726	245	-0.5956	327	0.0424
194	-0.3666	246	-0.2556	328	0.0414
195	-0.3846	247	-0.0216	329	0.0404
196	-0.3626	248	0.0424	330	0.0434
197	-0.3516	249	-0.0446	331	0.0454
198	-0.3506	250	0.0434	332	0.0444
199	-0.3486	251	-0.3086	333	0.0434
200	-0.3646	252	-0.2146	334	0.0414
201	-0.3426	253	0.2334	335	0.0444
202	-0.3336	254	0.1074	336	0.0444
203	-0.3376	255	-0.7996	337	0.0434
204	-0.3436	256	-0.7346	338	0.0464
205	0.1954	257	-0.6456	339	0.0434
206	0.2174	258	-0.4816	340	0.0414
207	0.2014	259	-0.2466	341	0.0404
208	0.1954	260	-0.1246	350	-0.0906
210	0.5404	261	-0.0506	351	0.0284
211	0.4854	262	-0.0356	352	0.0384
212	0.3554	263	-0.2346	353	0.0414
213	-0.7286	264	-0.2436	354	0.0434
214	-0.7116	265	0.0404	355	0.0424
215	-0.6586	266	0.0674		
216	-0.5596	267	-0.2596		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 295
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 17.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.100
TUNNEL DYNAMIC PRESSURE(PSF) = 742.
TUNNEL STAGNATION PRESSURE(PSF) = 1871.
TUNNEL STATIC PRESSURE(PSF) = 876.
REYNOLDS NUMBER PER FOOT = 3.9930E 06
MODEL ANGLE OF ATTACK(DEG) = 0.09
FIN ANGLE(DEG) = 1.12
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 547.

SCANIVALE	CP(REF)
147	0.9944
247	0.9934
347	0.9944
447	0.9954
547	0.9954
647	0.9944
747	0.9944

ORF	CP	ORF	CP	ORF	CP
1	0.2654	52	0.1094	102	-0.0786
2	-0.1406	53	-0.1076	103	-0.4596
3	-0.2286	54	-0.2406	104	-0.4416
4	-0.1026	55	0.2834	105	-0.2546
5	-0.0006	56	0.2624	110	-0.1876
6	0.0774	57	0.2524	111	-0.1866
7	0.1244	58	0.2394	112	-0.1526
8	0.1574	59	0.2224	113	-0.2186
9	0.1754	60	0.2054	114	-0.2406
10	0.1784	61	0.1794	115	-0.2146
11	0.1864	62	0.1454	116	-0.1486
12	0.1704	63	0.0844	117	-0.1036
13	0.1454	64	-0.2776	118	-0.1006
14	0.0164	65	-0.2726	119	-0.1016
15	-0.0526	66	0.2884	120	0.0484
16	-0.0206	67	0.2674	121	-0.0286
17	-0.0646	68	0.2454	122	-0.0426
18	0.0454	69	0.2224	123	-0.2286
19	0.1134	70	0.1984	124	-0.1096
20	0.1444	71	0.1684	125	-0.0766
21	0.1674	72	0.1234	126	-0.0276
22	0.1804	73	0.0424	127	-0.0536
23	0.1854	74	-0.2936	128	-0.2636
24	0.1914	75	0.2834	129	-0.1686
25	0.1874	76	0.2524	135	-0.0236
26	0.1714	77	0.2164	136	-0.0196
27	0.1334	78	0.1804	137	-0.0206
28	0.0044	79	0.1384	138	0.0654
29	-0.0906	80	0.0904	139	0.0624
30	0.0044	81	-0.0276	140	0.0644
32	0.1724	82	-0.3056	141	0.1384
33	0.1944	83	0.2374	142	0.1414
34	0.2034	84	0.2164	143	0.1424
35	0.2074	85	0.1624	145	-0.0226
36	0.2084	86	0.1284	147	0.1404
37	0.2024	87	0.0824	151	0.1094
38	0.1924	88	0.0014	152	-0.1466
39	0.1694	89	-0.3176	153	-0.2566
40	0.1274	90	0.1654	154	-0.4046
41	0.0254	91	0.1474	155	0.2294
42	-0.1436	92	0.1094	156	0.1844
43	0.2434	93	0.0734	157	0.0024
44	0.2354	94	0.0094	158	0.5154
45	0.2334	95	-0.3186	159	0.3584
46	0.2344	96	-0.2216	160	0.3014
47	0.2264	97	-0.2656	161	0.1824
48	0.2194	98	0.2394	162	0.4884
49	0.2034	99	0.2124	163	0.3984
50	0.1884	100	-0.0156	164	0.0814
51	0.1564	101	-0.1206	165	0.1084

ORF	CP	ORF	CP	ORF	CP
166	0.5744	217	0.1044	268	0.0054
167	0.3844	218	0.1564	269	0.3054
168	0.3324	219	0.1734	270	0.3934
169	0.1944	220	0.1504	271	-0.0996
170	0.4214	221	-0.3446	272	-0.0866
171	0.2724	222	-0.1706	273	0.3264
172	0.0204	223	0.1534	274	0.3894
173	0.1424	224	0.1274	275	0.5224
174	0.0274	225	0.3804	276	0.4914
175	-0.2346	226	0.2604	277	0.3524
176	-0.3906	227	-0.3296	278	-0.4516
177	-0.1236	228	-0.2786	279	-0.4336
178	-0.2556	229	-0.2466	280	-0.3826
179	-0.1956	230	-0.0786	281	-0.2476
180	-0.3276	231	0.0934	282	-0.0176
181	0.3574	232	0.1424	283	0.1054
182	0.5414	233	0.1644	284	0.1954
183	0.5544	234	0.1554	285	0.1614
184	0.7194	235	-0.0236	286	-0.1106
185	0.7734	236	-0.1146	287	-0.1256
186	0.8174	237	0.0374	288	0.3034
187	0.8794	238	0.0974	289	0.3904
188	0.9744	239	0.3754	290	0.3334
189	1.0544	240	0.2864	291	-0.1906
190	-0.3256	241	-0.3016	292	0.1824
191	-0.3396	242	-0.2946	325	0.0704
192	-0.3336	244	-0.0606	326	0.0684
193	-0.3376	245	0.0994	327	0.0684
194	-0.3286	246	0.1284	328	0.0714
195	-0.3336	247	0.1634	329	0.0704
196	-0.3366	248	0.1734	330	0.0694
197	-0.3286	249	0.1384	331	0.0674
198	-0.3286	250	0.0694	332	0.0694
199	-0.3296	251	-0.3166	333	0.0714
200	-0.3256	252	0.0614	334	0.0714
201	-0.3156	253	0.4084	335	0.0704
202	-0.3146	254	0.2774	336	0.0694
203	-0.3136	255	-0.3516	337	0.0694
204	-0.3126	256	-0.3556	338	0.0694
205	0.3874	257	-0.3216	339	0.0684
206	0.4044	258	-0.2556	340	0.0734
207	0.4034	259	-0.0356	341	0.0704
208	0.4084	260	0.1124	350	-0.0986
210	0.4444	261	0.1884	351	0.0544
211	0.4354	262	0.1834	352	0.0704
212	0.3154	263	0.0104	353	0.0744
213	-0.4296	264	0.0684	354	0.0714
214	-0.3386	265	0.2974	355	0.0724
215	-0.2586	266	0.3484		
216	-0.0596	267	-0.0196		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 312
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 16.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.052
TUNNEL DYNAMIC PRESSURE(PSF) = 723.
TUNNEL STAGNATION PRESSURE(PSF) = 1880.
TUNNEL STATIC PRESSURE(PSF) = 933.
REYNOLDS NUMBER PER FOOT = 3.9910E 06
MODEL ANGLE OF ATTACK(DEG) = -14.22
FIN ANGLE(DEG) = -0.02
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	0.9405
247	0.9405
347	0.9405
447	0.9405
547	0.9355
647	0.9355
747	0.9345

ORF	CP	ORF	CP	ORF	CP
1	0.5945	52	0.2765	102	0.0075
2	0.3455	53	0.0015	103	-0.5035
3	0.4165	54	0.0615	104	-0.4045
4	0.4695	55	0.7125	105	-0.3165
5	0.4945	56	0.6455	110	-0.1745
6	0.5075	57	0.5935	111	-0.2045
7	0.5025	58	0.5475	112	-0.1495
8	0.4965	59	0.5125	113	-0.1905
9	0.4875	60	0.4635	114	-0.3615
10	0.4705	61	0.4055	115	-0.1275
11	0.4515	62	0.3345	116	-0.0395
12	0.4235	63	0.2275	117	-0.0365
13	0.3755	64	-0.0515	118	-0.0515
14	0.1795	65	0.0025	119	-0.0915
15	0.1015	66	0.6925	120	-0.0365
16	0.6185	67	0.6195	121	-0.0785
17	0.5845	68	0.5585	122	-0.1045
18	0.5725	69	0.5005	123	-0.2545
19	0.5615	70	0.4425	124	-0.1905
20	0.5515	71	0.3855	125	-0.1445
21	0.5355	72	0.3055	126	-0.0935
22	0.5205	73	0.1695	127	-0.1175
23	0.5015	74	-0.0335	128	-0.3095
24	0.4785	75	0.6655	129	-0.2135
25	0.4525	76	0.5735	135	-0.0895
26	0.4125	77	0.4965	136	-0.0905
27	0.3485	78	0.4195	137	-0.0995
28	0.1735	79	0.3365	138	0.0515
29	0.0745	80	0.2365	139	0.0625
30	0.6815	81	0.0585	140	0.0575
32	0.6125	82	-0.0625	141	0.2075
33	0.5885	83	0.5705	142	0.2195
34	0.5585	84	0.5125	143	0.2225
35	0.5365	85	0.4085	145	-0.0885
36	0.5135	86	0.3065	147	0.2115
37	0.4825	87	0.2025	151	0.2085
38	0.4485	88	0.0585	152	-0.1065
39	0.4045	89	-0.1025	153	-0.1665
40	0.3325	90	0.4965	154	-0.3775
41	0.1745	91	0.3195	155	0.1685
42	0.0625	92	0.2155	156	0.3275
43	0.7085	93	0.1315	157	0.1065
44	0.6505	94	0.0275	158	0.7425
45	0.6085	95	-0.1275	159	0.4375
46	0.5745	96	-0.5525	160	0.4135
47	0.5475	97	-0.1915	161	0.2775
48	0.5125	98	-0.8755	162	0.6885
49	0.4705	99	-0.4825	163	0.5085
50	0.4255	100	-0.2855	164	0.0525
51	0.3645	101	-0.0535	165	0.1785

ORF	CP	ORF	CP	ORF	CP
166	0.5235	217	0.1085	268	0.0845
167	0.4495	218	0.2885	269	0.4835
168	0.3565	219	0.3705	270	0.6175
169	0.1575	220	0.3295	271	-0.0115
170	0.5725	221	-0.2405	272	-0.0245
171	0.2575	222	-0.1385	273	0.4785
172	-0.0195	223	0.2895	274	0.5635
173	0.2575	224	0.2725	275	0.6005
174	0.1255	225	0.6265	276	0.7715
175	-0.1835	226	0.4675	277	0.6385
176	-0.4175	227	-0.2315	278	-0.1195
177	-0.0855	228	-0.2245	279	0.0325
178	-0.2385	229	-0.2045	280	0.1775
179	-0.2215	230	-0.1095	281	0.4005
180	-0.3485	231	0.1445	282	0.4975
181	0.5985	232	0.3025	283	0.4995
182	0.7725	233	0.3685	284	0.4895
183	0.5165	234	0.3455	285	0.3905
184	0.7195	235	0.1105	286	-0.0365
185	0.9125	236	0.0255	287	-0.0115
186	1.0995	237	0.1645	288	0.3735
187	1.1715	238	0.2475	289	0.3985
188	1.1335	239	0.6655	290	0.5295
189	1.1055	240	0.5685	291	-0.9035
190	-0.3015	241	-0.2205	292	-0.1255
191	-0.3235	242	-0.1925	325	-0.0255
192	-0.3275	244	0.0265	326	-0.0255
193	-0.3215	245	0.2705	327	-0.0245
194	-0.2955	246	0.3535	328	-0.0255
195	-0.3475	247	0.3865	329	-0.0275
196	-0.3405	248	0.3735	330	-0.0275
197	-0.3185	249	0.3205	331	-0.0245
198	-0.3175	250	-0.0275	332	-0.0235
199	-0.3215	251	-0.3115	333	-0.0235
200	-0.3095	252	0.1615	334	-0.0255
201	-0.3045	253	0.7145	335	-0.0275
202	-0.3215	254	0.5665	336	-0.0285
203	-0.3175	255	-0.0855	337	-0.0255
204	-0.3165	256	-0.0615	338	-0.0255
205	0.1155	257	-0.0195	339	-0.0245
206	0.1885	258	0.1365	340	-0.0265
207	0.1475	259	0.3595	341	-0.0275
208	0.2755	260	0.4185	350	-0.0925
210	0.7725	261	0.4275	351	-0.0315
211	0.6735	262	0.3985	352	-0.0265
212	0.5195	263	0.1455	353	-0.0275
213	-0.2465	264	0.1505	354	-0.0275
214	-0.2245	265	0.4645	355	-0.0295
215	-0.2055	266	0.5445		
216	-0.1425	267	0.1025		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 313
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 16.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.056
TUNNEL DYNAMIC PRESSURE(PSF) = 728.
TUNNEL STAGNATION PRESSURE(PSF) = 1886.
TUNNEL STATIC PRESSURE(PSF) = 933.
REYNOLDS NUMBER PER FOOT = 4.0060E 06
MODEL ANGLE OF ATTACK(DEG) = -12.08
FIN ANGLE(DEG) = -0.24
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	0.9374
247	0.9354
347	0.9364
447	0.9364
547	0.9414
647	0.9414
747	0.9414

ORF	CP	ORF	CP	ORF	CP
1	0.5464	52	0.2484	102	0.0004
2	0.2684	53	-0.0316	103	-0.4656
3	0.3424	54	0.0394	104	-0.4176
4	0.4084	55	0.6624	105	-0.2956
5	0.4404	56	0.5954	110	-0.1556
6	0.4544	57	0.5494	111	-0.1946
7	0.4554	58	0.5084	112	-0.1296
8	0.4504	59	0.4734	113	-0.1706
9	0.4424	60	0.4274	114	-0.3326
10	0.4304	61	0.3714	115	-0.1306
11	0.4124	62	0.3024	116	-0.0256
12	0.3864	63	0.2004	117	-0.0066
13	0.3434	64	-0.1106	118	-0.0066
14	0.1554	65	-0.0106	119	-0.0586
15	0.0774	66	0.6484	120	-0.0186
16	0.5384	67	0.5744	121	-0.0536
17	0.5134	68	0.5154	122	-0.0716
18	0.5084	69	0.4614	123	-0.2386
19	0.4984	70	0.4044	124	-0.1136
20	0.4934	71	0.3504	125	-0.0946
21	0.4834	72	0.2744	126	-0.0466
22	0.4714	73	0.1444	127	-0.0776
23	0.4544	74	-0.0526	128	-0.2786
24	0.4364	75	0.6234	129	-0.1796
25	0.4134	76	0.5324	135	-0.0566
26	0.3784	77	0.4574	136	-0.0586
27	0.3184	78	0.3844	137	-0.0566
28	0.1474	79	0.3024	138	0.0644
29	0.0524	80	0.2064	139	0.0694
30	0.6194	81	0.0284	140	0.0674
32	0.5544	82	-0.0846	141	0.1984
33	0.5344	83	0.5334	142	0.1954
34	0.5104	84	0.4744	143	0.2054
35	0.4874	85	0.3734	145	-0.0596
36	0.4694	86	0.2744	147	0.2024
37	0.4434	87	0.1754	151	0.1924
38	0.4124	88	0.0324	152	-0.1176
39	0.3694	89	-0.1406	153	-0.1896
40	0.3034	90	0.4624	154	-0.3806
41	0.1504	91	0.2874	155	0.1944
42	0.0374	92	0.1914	156	0.3154
43	0.6594	93	0.1084	157	0.0994
44	0.5994	94	0.0024	158	0.7234
45	0.5594	95	-0.1406	159	0.4364
46	0.5294	96	-0.5496	160	0.4134
47	0.5034	97	-0.2086	161	0.2774
48	0.4734	98	-0.7926	162	0.6724
49	0.4354	99	-0.4726	163	0.5084
50	0.3914	100	-0.2726	164	0.0684
51	0.3334	101	-0.0536	165	0.1854

ORF	CP	ORF	CP	ORF	CP
166	0.5044	217	0.0994	268	0.0734
167	0.4614	218	0.2734	269	0.4584
168	0.3734	219	0.3434	270	0.5884
169	0.1784	220	0.3094	271	-0.0116
170	0.5644	221	-0.2686	272	-0.0406
171	0.2854	222	-0.1546	273	0.4504
172	0.0014	223	0.2664	274	0.5394
173	0.2524	224	0.2564	275	0.5934
174	0.1254	225	0.6044	276	0.7334
175	-0.1686	226	0.4494	277	0.5974
176	-0.4166	227	-0.2776	278	-0.1636
177	-0.0936	228	-0.2666	279	-0.0606
178	-0.2516	229	-0.2376	280	0.0944
179	-0.2176	230	-0.1326	281	0.3154
180	-0.3386	231	0.1284	282	0.4434
181	0.5554	232	0.2794	283	0.4534
182	0.7364	233	0.3404	284	0.4474
183	0.5544	234	0.3194	285	0.3594
184	0.7564	235	0.0914	286	-0.0276
185	0.9044	236	0.0004	287	-0.0496
186	1.0864	237	0.1354	288	0.3674
187	1.2034	238	0.2214	289	0.3974
188	1.1824	239	0.6464	290	0.4904
189	1.1494	240	0.5444	291	-0.8756
190	-0.3006	241	-0.2586	292	-0.0746
191	-0.3476	242	-0.2306	325	-0.0146
192	-0.3306	244	-0.0066	326	-0.0156
193	-0.3206	245	0.2334	327	-0.0156
194	-0.2936	246	0.3174	328	-0.0156
195	-0.3626	247	0.3554	329	-0.0146
196	-0.3396	248	0.3454	330	-0.0146
197	-0.3186	249	0.2944	331	-0.0146
198	-0.3226	250	-0.0106	332	-0.0156
199	-0.3226	251	-0.2976	333	-0.0156
200	-0.3036	252	0.1444	334	-0.0136
201	-0.3016	253	0.6824	335	-0.0146
202	-0.3176	254	0.5304	336	-0.0166
203	-0.3166	255	-0.1396	337	-0.0156
204	-0.3106	256	-0.1136	338	-0.0156
205	0.2304	257	-0.0716	339	-0.0156
206	0.2884	258	0.0884	340	-0.0156
207	0.2494	259	0.3104	341	-0.0146
208	0.3364	260	0.3784	350	-0.0566
210	0.7454	261	0.3954	351	-0.0136
211	0.6504	262	0.3714	352	-0.0116
212	0.4974	263	0.1284	353	-0.0096
213	-0.3006	264	0.1394	354	-0.0096
214	-0.2676	265	0.4494	355	-0.0106
215	-0.2486	266	0.5204		
216	-0.1646	267	0.0904		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 314
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 16.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.057
TUNNEL DYNAMIC PRESSURE(PSF) = 728.
TUNNEL STAGNATION PRESSURE(PSF) = 1886.
TUNNEL STATIC PRESSURE(PSF) = 931.
REYNOLDS NUMBER PER FOOT = 4.0060E 06
MODEL ANGLE OF ATTACK(DEG) = -8.08
FIN ANGLE(DEG) = -0.46
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	0.9372
247	0.9362
347	0.9372
447	0.9382
547	0.9422
647	0.9422
747	0.9422

ORF	CP	ORF	CP	ORF	CP
1	0.4262	52	0.1922	102	-0.0778
2	0.2302	53	-0.0758	103	-0.4798
3	0.2692	54	-0.0648	104	-0.4308
4	0.3082	55	0.5602	105	-0.2878
5	0.3332	56	0.5012	110	-0.1548
6	0.3442	57	0.4682	111	-0.1928
7	0.3492	58	0.4292	112	-0.1348
8	0.3512	59	0.3892	113	-0.1678
9	0.3422	60	0.3502	114	-0.2618
10	0.3332	61	0.3022	115	-0.1378
11	0.3202	62	0.2392	116	-0.0548
12	0.2972	63	0.1462	117	-0.0178
13	0.2572	64	-0.2738	118	-0.0198
14	0.0952	65	-0.1348	119	-0.0478
15	0.0142	66	0.5532	120	0.0152
16	0.4102	67	0.4832	121	-0.0208
17	0.3862	68	0.4282	122	-0.0378
18	0.3832	69	0.3782	123	-0.2248
19	0.3772	70	0.3302	124	-0.0688
20	0.3822	71	0.2822	125	-0.0538
21	0.3732	72	0.2072	126	0.0022
22	0.3662	73	0.0902	127	-0.0278
23	0.3542	74	-0.2188	128	-0.2548
24	0.3402	75	0.5262	129	-0.1648
25	0.3232	76	0.4432	135	-0.0148
26	0.2902	77	0.3782	136	-0.0168
27	0.2402	78	0.3102	137	-0.0288
28	0.0872	79	0.2402	138	0.0732
29	-0.0218	80	0.1532	139	0.0612
30	0.4892	81	-0.0088	140	0.0672
32	0.4362	82	-0.2868	141	0.1932
33	0.4202	83	0.4482	142	0.2002
34	0.4032	84	0.3872	143	0.2122
35	0.3882	85	0.2932	145	-0.0178
36	0.3722	86	0.1962	147	0.1982
37	0.3522	87	0.1062	151	0.1502
38	0.3262	88	-0.0198	152	-0.1548
39	0.2902	89	-0.3258	153	-0.2268
40	0.2322	90	0.3682	154	-0.3698
41	0.0982	91	0.1992	155	0.1502
42	-0.0438	92	0.1102	156	0.2512
43	0.5452	93	0.0392	157	0.0512
44	0.4932	94	-0.0548	158	0.5882
45	0.4642	95	-0.3478	159	0.3752
46	0.4412	96	-0.5118	160	0.3492
47	0.4182	97	-0.2798	161	0.2212
48	0.3872	98	-0.4188	162	0.5452
49	0.3552	99	-0.3958	163	0.4032
50	0.3202	100	-0.3808	164	0.0722
51	0.2672	101	-0.1268	165	0.1202

ORF	CP	ORF	CP	ORF	CP
166	0.4672	217	0.0502	268	0.0152
167	0.3782	218	0.2032	269	0.3632
168	0.3032	219	0.2782	270	0.4772
169	0.1232	220	0.2512	271	-0.0838
170	0.4632	221	-0.3338	272	-0.0868
171	0.2632	222	-0.1908	273	0.3662
172	-0.0008	223	0.2102	274	0.4512
173	0.2122	224	0.2082	275	0.5302
174	0.0822	225	0.5382	276	0.5662
175	-0.1578	226	0.3862	277	0.4772
176	-0.3878	227	-0.3728	278	-0.1288
177	-0.1188	228	-0.3558	279	-0.0098
178	-0.2668	229	-0.3108	280	0.1292
179	-0.2318	230	-0.1818	281	0.2592
180	-0.3178	231	0.0712	282	0.3322
181	0.4692	232	0.2042	283	0.3462
182	0.6372	233	0.2712	284	0.3492
183	0.5002	234	0.2602	285	0.2732
184	0.6702	235	0.0382	286	-0.1088
185	0.8092	236	-0.0608	287	-0.1138
186	0.9442	237	0.0782	288	0.3222
187	1.0492	238	0.1582	289	0.3802
188	1.1542	239	0.5722	290	0.4092
189	1.1982	240	0.4712	291	-0.8698
190	-0.2978	241	-0.3228	292	-0.0688
191	-0.3098	242	-0.3018	325	0.0162
192	-0.3038	244	-0.0958	326	0.0172
193	-0.3038	245	0.1512	327	0.0162
194	-0.2938	246	0.2372	328	0.0162
195	-0.3208	247	0.2812	329	0.0162
196	-0.3258	248	0.2762	330	0.0172
197	-0.3018	249	0.2312	331	0.0182
198	-0.3028	250	0.0202	332	0.0162
199	-0.3098	251	-0.2928	333	0.0172
200	-0.3068	252	0.0852	334	0.0172
201	-0.2938	253	0.5482	335	0.0192
202	-0.2908	254	0.4262	336	0.0172
203	-0.2938	255	-0.2468	337	0.0162
204	-0.2888	256	-0.1978	338	0.0172
205	0.3472	257	-0.1278	339	0.0172
206	0.3862	258	0.0702	340	0.0172
207	0.3752	259	0.2402	341	0.0162
208	0.3922	260	0.2932	350	-0.0478
210	0.6572	261	0.3112	351	0.0182
211	0.5982	262	0.2892	352	0.0242
212	0.4452	263	0.0622	353	0.0222
213	-0.4398	264	0.0822	354	0.0212
214	-0.3828	265	0.3602	355	0.0222
215	-0.3358	266	0.4252		
216	-0.2138	267	0.0202		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 315
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 16.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.046
TUNNEL DYNAMIC PRESSURE(PSF) = 723.
TUNNEL STAGNATION PRESSURE(PSF) = 1886.
TUNNEL STATIC PRESSURE(PSF) = 943.
REYNOLDS NUMBER PER FOOT = 4.0000E 06
MODEL ANGLE OF ATTACK(DEG) = -6.06
FIN ANGLE(DEG) = -0.39
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	0.9267
247	0.9257
347	0.9267
447	0.9277
547	0.9217
647	0.9217
747	0.9227

ORF	CP	ORF	CP	ORF	CP
1	0.3217	52	0.1407	102	-0.1253
2	0.1237	53	-0.1153	103	-0.5223
3	0.1537	54	-0.1643	104	-0.4773
4	0.2107	55	0.4747	105	-0.3173
5	0.2377	56	0.4197	110	-0.1773
6	0.2547	57	0.3917	111	-0.2173
7	0.2617	58	0.3567	112	-0.1583
8	0.2667	59	0.3227	113	-0.1903
9	0.2647	60	0.2867	114	-0.2533
10	0.2557	61	0.2437	115	-0.1623
11	0.2467	62	0.1877	116	-0.0873
12	0.2287	63	0.1027	117	-0.0503
13	0.1887	64	-0.3183	118	-0.0483
14	0.0357	65	-0.2553	119	-0.0573
15	-0.0373	66	0.4707	120	0.0157
16	0.2917	67	0.4027	121	0.0027
17	0.2777	68	0.3547	122	-0.0993
18	0.2777	69	0.3097	123	-0.2533
19	0.2887	70	0.2707	124	-0.0663
20	0.2867	71	0.2257	125	-0.0473
21	0.2857	72	0.1587	126	0.0027
22	0.2817	73	0.0487	127	-0.0243
23	0.2727	74	-0.3053	128	-0.2593
24	0.2627	75	0.4517	129	-0.1543
25	0.2457	76	0.3757	135	-0.0113
26	0.2187	77	0.3167	136	-0.0123
27	0.1707	78	0.2557	137	-0.0163
28	0.0297	79	0.1897	138	0.0457
29	-0.0693	80	0.1027	139	0.0457
30	0.3807	81	-0.0483	140	0.0477
32	0.3377	82	-0.3423	141	0.1967
33	0.3317	83	0.3797	142	0.2017
34	0.3177	84	0.3207	143	0.2097
35	0.3087	85	0.2297	145	-0.0143
36	0.2967	86	0.1407	147	0.2067
37	0.2787	87	0.0597	151	0.0997
38	0.2547	88	-0.0563	152	-0.1893
39	0.2267	89	-0.3653	153	-0.2583
40	0.1697	90	0.2997	154	-0.3583
41	0.0437	91	0.1397	155	0.1307
42	-0.1003	92	0.0647	156	0.1807
43	0.4507	93	0.0007	157	-0.0113
44	0.4027	94	-0.0893	158	0.5057
45	0.3767	95	-0.3893	159	0.3127
46	0.3567	96	-0.3953	160	0.2797
47	0.3367	97	-0.3303	161	0.1627
48	0.3137	98	-0.1783	162	0.4547
49	0.2857	99	-0.2843	163	0.3377
50	0.2527	100	-0.2583	164	0.0497
51	0.2067	101	-0.1663	165	0.0587

ORF	CP	ORF	CP	ORF	CP
166	0.3997	217	-0.0113	268	-0.0213
167	0.2987	218	0.1397	269	0.2987
168	0.2337	219	0.2177	270	0.3997
169	0.0677	220	0.1967	271	-0.1293
170	0.3887	221	-0.3863	272	-0.1173
171	0.2007	222	-0.2313	273	0.3137
172	-0.0483	223	0.1637	274	0.3797
173	0.1677	224	0.1577	275	0.4947
174	0.0347	225	0.4827	276	0.4627
175	-0.1863	226	0.3297	277	0.3547
176	-0.3873	227	-0.4343	278	-0.2183
177	-0.1613	228	-0.4163	279	-0.1413
178	-0.2973	229	-0.3783	280	-0.0313
179	-0.2443	230	-0.2453	281	0.1407
180	-0.3173	231	0.0097	282	0.2337
181	0.3937	232	0.1367	283	0.2497
182	0.5567	233	0.2107	284	0.2647
183	0.4647	234	0.2007	285	0.2007
184	0.6537	235	-0.0113	286	-0.1543
185	0.7477	236	-0.1103	287	-0.1433
186	0.8497	237	0.0327	288	0.2787
187	0.9847	238	0.1067	289	0.3197
188	1.0637	239	0.5077	290	0.3397
189	1.1277	240	0.4057	291	-0.8373
190	-0.3133	241	-0.3923	292	-0.0513
191	-0.3063	242	-0.3703	325	0.0207
192	-0.3293	244	-0.1683	326	0.0207
193	-0.3263	245	0.0807	327	0.0207
194	-0.3083	246	0.1727	328	0.0217
195	-0.3103	247	0.2157	329	0.0217
196	-0.3263	248	0.2127	330	0.0227
197	-0.3073	249	0.1747	331	0.0207
198	-0.3003	250	0.0227	332	0.0207
199	-0.3103	251	-0.2973	333	0.0237
200	-0.3053	252	0.0347	334	0.0227
201	-0.2943	253	0.4567	335	0.0227
202	-0.2983	254	0.3337	336	0.0207
203	-0.2943	255	-0.2843	337	0.0207
204	-0.2933	256	-0.2523	338	0.0207
205	0.3587	257	-0.1943	339	0.0207
206	0.3887	258	-0.0123	340	0.0217
207	0.3887	259	0.1637	341	0.0227
208	0.4137	260	0.2097	350	-0.0583
210	0.6027	261	0.2317	351	0.0157
211	0.5407	262	0.2177	352	0.0207
212	0.3877	263	0.0117	353	0.0207
213	-0.5403	264	0.0397	354	0.0197
214	-0.4693	265	0.2927	355	0.0217
215	-0.4103	266	0.3537		
216	-0.2673	267	-0.0293		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 316
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 16.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.052
TUNNEL DYNAMIC PRESSURE(PSF) = 723.
TUNNEL STAGNATION PRESSURE(PSF) = 1880.
TUNNEL STATIC PRESSURE(PSF) = 934.
REYNOLDS NUMBER PER FOOT = 3.9920E 06
MODEL ANGLE OF ATTACK(DEG) = -3.99
FIN ANGLE(DEG) = -0.12
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	0.9392
247	0.9382
347	0.9392
447	0.9392
547	0.9382
647	0.9372
747	0.9382

ORF	CP	ORF	CP	ORF	CP
1	0.2262	52	0.1022	102	-0.1288
2	0.0022	53	-0.1328	103	-0.5328
3	0.0392	54	-0.1918	104	-0.4938
4	0.1222	55	0.3962	105	-0.3218
5	0.1642	56	0.3512	110	-0.1858
6	0.1952	57	0.3292	111	-0.2178
7	0.2022	58	0.2982	112	-0.1578
8	0.2072	59	0.2672	113	-0.1888
9	0.2052	60	0.2372	114	-0.2188
10	0.2012	61	0.1972	115	-0.1668
11	0.1922	62	0.1512	116	-0.0998
12	0.1722	63	0.0782	117	-0.0538
13	0.1402	64	-0.3268	118	-0.0528
14	0.0002	65	-0.2868	119	-0.0548
15	-0.0628	66	0.3962	120	0.0352
16	0.1702	67	0.3392	121	-0.0008
17	0.1682	68	0.2962	122	-0.0028
18	0.1902	69	0.2592	123	-0.2188
19	0.1992	70	0.2212	124	-0.0678
20	0.2182	71	0.1812	125	-0.0378
21	0.2192	72	0.1252	126	0.0132
22	0.2202	73	0.0332	127	-0.0158
23	0.2152	74	-0.3328	128	-0.2478
24	0.2072	75	0.3792	129	-0.1468
25	0.1922	76	0.3182	135	0.0012
26	0.1692	77	0.2702	136	-0.0068
27	0.1212	78	0.2162	137	-0.0108
28	-0.0078	79	0.1532	138	0.0432
29	-0.0918	80	0.0782	139	0.0402
30	0.2662	81	-0.0588	140	0.0402
32	0.2592	82	-0.3568	141	0.2042
33	0.2582	83	0.3172	142	0.2092
34	0.2492	84	0.2662	143	0.2032
35	0.2452	85	0.1812	145	0.0022
36	0.2352	86	0.1062	147	0.2052
37	0.2212	87	0.0422	151	0.0572
38	0.2012	88	-0.0568	152	-0.1928
39	0.1692	89	-0.3638	153	-0.2728
40	0.1222	90	0.2392	154	-0.3668
41	0.0072	91	0.1032	155	0.1582
42	-0.1188	92	0.0562	156	0.1292
43	0.3652	93	0.0092	157	-0.0478
44	0.3232	94	-0.0688	158	0.4722
45	0.3052	95	-0.3528	159	0.2682
46	0.2912	96	-0.3158	160	0.2352
47	0.2732	97	-0.3208	161	0.1172
48	0.2552	98	0.1002	162	0.4042
49	0.2322	99	0.0212	163	0.2902
50	0.2042	100	-0.0998	164	0.0502
51	0.1632	101	-0.1738	165	0.0252

ORF	CP	ORF	CP	ORF	CP
166	0.4022	217	-0.0068	268	-0.0178
167	0.2892	218	0.1212	269	0.2732
168	0.2162	219	0.1872	270	0.3772
169	0.0612	220	0.1682	271	-0.1378
170	0.3372	221	-0.4008	272	-0.1008
171	0.2232	222	-0.2398	273	0.2982
172	-0.0368	223	0.1442	274	0.3552
173	0.1612	224	0.1362	275	0.5012
174	0.0252	225	0.4512	276	0.4102
175	-0.1758	226	0.3042	277	0.2922
176	-0.3848	227	-0.4388	278	-0.3018
177	-0.1878	228	-0.4208	279	-0.2938
178	-0.3108	229	-0.3788	280	-0.2148
179	-0.2308	230	-0.2518	281	-0.0068
180	-0.3148	231	-0.0058	282	0.1602
181	0.3262	232	0.1112	283	0.1952
182	0.4972	233	0.1772	284	0.2082
183	0.4792	234	0.1722	285	0.1532
184	0.6452	235	-0.0328	286	-0.1608
185	0.7382	236	-0.1328	287	-0.1418
186	0.8502	237	0.0172	288	0.2762
187	0.9692	238	0.0922	289	0.3232
188	1.0272	239	0.4532	290	0.3012
189	1.0542	240	0.3572	291	-0.4638
190	-0.3278	241	-0.3988	292	0.0122
191	-0.3088	242	-0.3818	325	0.0362
192	-0.3388	244	-0.1868	326	0.0372
193	-0.3458	245	0.0562	327	0.0382
194	-0.3168	246	0.1392	328	0.0392
195	-0.3098	247	0.1752	329	0.0392
196	-0.3198	248	0.1762	330	0.0382
197	-0.3088	249	0.1432	331	0.0372
198	-0.3028	250	0.0392	332	0.0382
199	-0.3018	251	-0.3018	333	0.0402
200	-0.2988	252	0.0132	334	0.0392
201	-0.2898	253	0.4082	335	0.0392
202	-0.2918	254	0.2692	336	0.0382
203	-0.2868	255	-0.2498	337	0.0372
204	-0.2888	256	-0.2458	338	0.0372
205	0.3912	257	-0.2218	339	0.0382
206	0.4212	258	-0.0808	340	0.0392
207	0.4222	259	0.1012	341	0.0402
208	0.4302	260	0.1622	350	-0.0538
210	0.5662	261	0.1852	351	0.0312
211	0.5082	262	0.1742	352	0.0392
212	0.3602	263	-0.0048	353	0.0392
213	-0.5798	264	0.0312	354	0.0382
214	-0.5008	265	0.2562	355	0.0372
215	-0.4338	266	0.3212		
216	-0.2668	267	-0.0408		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 317
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 16.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.055
TUNNEL DYNAMIC PRESSURE(PSF) = 725.
TUNNEL STAGNATION PRESSURE(PSF) = 1880.
TUNNEL STATIC PRESSURE(PSF) = 930.
REYNOLDS NUMBER PER FOOT = 3.9920E 06
MODEL ANGLE OF ATTACK(DEG) = -1.91
FIN ANGLE(DEG) = -0.09
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	0.9442
247	0.9422
347	0.9432
447	0.9432
547	0.9472
647	0.9472
747	0.9462

ORF	CP	ORF	CP	ORF	CP
1	0.1822	52	0.0722	102	-0.1408
2	-0.1248	53	-0.1528	103	-0.5388
3	-0.1538	54	-0.2508	104	-0.5088
4	-0.0458	55	0.3132	105	-0.3268
5	0.0382	56	0.2762	110	-0.1838
6	0.1112	57	0.2572	111	-0.2048
7	0.1412	58	0.2382	112	-0.1468
8	0.1572	59	0.2172	113	-0.1898
9	0.1622	60	0.1902	114	-0.1978
10	0.1632	61	0.1572	115	-0.1628
11	0.1552	62	0.1202	116	-0.1008
12	0.1392	63	0.0542	117	-0.0538
13	0.1052	64	-0.3388	118	-0.0508
14	-0.0278	65	-0.3228	119	-0.0488
15	-0.0958	66	0.3152	120	0.0502
16	0.0232	67	0.2722	121	-0.0038
17	0.0142	68	0.2382	122	0.0122
18	0.0702	69	0.2082	123	-0.1978
19	0.1062	70	0.1792	124	-0.0508
20	0.1492	71	0.1472	125	-0.0248
21	0.1602	72	0.0972	126	0.0292
22	0.1692	73	0.0152	127	-0.0058
23	0.1712	74	-0.3508	128	-0.2158
24	0.1672	75	0.3012	129	-0.1298
25	0.1562	76	0.2582	135	0.0162
26	0.1342	77	0.2152	136	0.0172
27	0.0892	78	0.1712	137	0.0102
28	-0.0378	79	0.1172	138	0.0452
29	-0.1248	80	0.0582	139	0.0542
30	0.1392	81	-0.0648	140	0.0572
32	0.1762	82	-0.3678	141	0.2322
33	0.1822	83	0.2472	142	0.2252
34	0.1922	84	0.2062	143	0.2242
35	0.1912	85	0.1372	145	0.0152
36	0.1862	86	0.0812	147	0.2262
37	0.1752	87	0.0302	151	0.0292
38	0.1612	88	-0.0608	152	-0.1998
39	0.1352	89	-0.3598	153	-0.2908
40	0.0902	90	0.1692	154	-0.3678
41	-0.0228	91	0.0912	155	0.1832
42	-0.1538	92	0.0512	156	0.1162
43	0.2692	93	0.0102	157	-0.0568
44	0.2472	94	-0.0618	158	0.4852
45	0.2372	95	-0.3338	159	0.2772
46	0.2312	96	-0.5278	160	0.2322
47	0.2212	97	-0.3328	161	0.1162
48	0.2062	98	0.1502	162	0.4212
49	0.1862	99	0.1052	163	0.3042
50	0.1622	100	-0.0878	164	0.0552
51	0.1272	101	-0.1778	165	0.0292

ORF	CP	ORF	CP	ORF	CP
166	0.4692	217	-0.0108	268	-0.0408
167	0.3092	218	0.1022	269	0.2652
168	0.2442	219	0.1582	270	0.3772
169	0.0992	220	0.1382	271	-0.1528
170	0.2862	221	-0.4118	272	-0.1358
171	0.2502	222	-0.2468	273	0.2912
172	-0.0188	223	0.1292	274	0.3552
173	0.1562	224	0.1152	275	0.5392
174	0.0202	225	0.4142	276	0.4142
175	-0.1658	226	0.2722	277	0.2852
176	-0.3898	227	-0.4278	278	-0.4058
177	-0.2098	228	-0.4178	279	-0.3958
178	-0.3418	229	-0.3768	280	-0.3568
179	-0.2558	230	-0.2538	281	-0.2308
180	-0.3078	231	-0.0218	282	0.0072
181	0.3162	232	0.0962	283	0.1182
182	0.4912	233	0.1452	284	0.1752
183	0.4902	234	0.1432	285	0.1262
184	0.6402	235	-0.0558	286	-0.1678
185	0.7322	236	-0.1558	287	-0.1848
186	0.8492	237	0.0052	288	0.2622
187	0.9732	238	0.0762	289	0.3412
188	1.0342	239	0.4052	290	0.2892
189	1.0652	240	0.3042	291	-0.3598
190	-0.2928	241	-0.3988	292	0.0722
191	-0.3138	242	-0.3968	325	0.0512
192	-0.3268	244	-0.1768	326	0.0502
193	-0.3188	245	0.0432	327	0.0522
194	-0.3028	246	0.1042	328	0.0512
195	-0.2988	247	0.1402	329	0.0502
196	-0.3168	248	0.1432	330	0.0502
197	-0.3078	249	0.1092	331	0.0512
198	-0.3048	250	0.0562	332	0.0532
199	-0.3028	251	-0.2938	333	0.0512
200	-0.2958	252	0.0002	334	0.0502
201	-0.2828	253	0.3782	335	0.0512
202	-0.2868	254	0.2402	336	0.0512
203	-0.2778	255	-0.3148	337	0.0512
204	-0.2898	256	-0.3128	338	0.0502
205	0.4072	257	-0.3068	339	0.0522
206	0.4532	258	-0.2328	340	0.0512
207	0.4352	259	-0.0018	341	0.0492
208	0.4302	260	0.1052	350	-0.0498
210	0.5252	261	0.1552	351	0.0482
211	0.4652	262	0.1482	352	0.0552
212	0.3282	263	-0.0278	353	0.0552
213	-0.5818	264	0.0162	354	0.0552
214	-0.5008	265	0.2482	355	0.0552
215	-0.4258	266	0.3042		
216	-0.2448	267	-0.0618		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 318
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 16.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.054
TUNNEL DYNAMIC PRESSURE(PSF) = 725.
TUNNEL STAGNATION PRESSURE(PSF) = 1880.
TUNNEL STATIC PRESSURE(PSF) = 931.
REYNOLDS NUMBER PER FOOT = 3.9950E 06
MODEL ANGLE OF ATTACK(DEG) = 0.10
FIN ANGLE(DEG) = -0.36
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALUE	CP(REF)
147	0.9419
247	0.9409
347	0.9409
447	0.9409
547	0.9459
647	0.9449
747	0.9459

ORF	CP	ORF	CP	ORF	CP
1	0.2329	52	0.0429	102	-0.1471
2	-0.2151	53	-0.1811	103	-0.5341
3	-0.2911	54	-0.3141	104	-0.5201
4	-0.1921	55	0.2239	105	-0.3271
5	-0.0861	56	0.2049	110	-0.1871
6	0.0039	57	0.1939	111	-0.1931
7	0.0649	58	0.1739	112	-0.1441
8	0.0959	59	0.1619	113	-0.1941
9	0.1189	60	0.1419	114	-0.2041
10	0.1249	61	0.1159	115	-0.1691
11	0.1199	62	0.0769	116	-0.1091
12	0.1119	63	0.0169	117	-0.0731
13	0.0809	64	-0.3551	118	-0.0631
14	-0.0461	65	-0.3511	119	-0.0521
15	-0.1231	66	0.2259	120	0.0529
16	-0.0791	67	0.2019	121	0.0099
17	-0.1551	68	0.1829	122	-0.0461
18	-0.0571	69	0.1569	123	-0.1951
19	0.0339	70	0.1309	124	-0.0621
20	0.0779	71	0.0999	125	-0.0321
21	0.1029	72	0.0549	126	0.0159
22	0.1219	73	-0.0291	127	-0.0121
23	0.1299	74	-0.3741	128	-0.2221
24	0.1309	75	0.2189	129	-0.1351
25	0.1249	76	0.1849	135	0.0209
26	0.1119	77	0.1489	136	0.0169
27	0.0659	78	0.1149	137	0.0119
28	-0.0561	79	0.0689	138	0.0399
29	-0.1621	80	0.0189	139	0.0379
30	-0.0341	81	-0.1021	140	0.0389
32	0.1029	82	-0.3881	141	0.2349
33	0.1209	83	0.1809	142	0.2329
34	0.1349	84	0.1489	143	0.2319
35	0.1419	85	0.0939	145	0.0149
36	0.1459	86	0.0579	147	0.2349
37	0.1449	87	0.0119	151	0.0589
38	0.1299	88	-0.0731	152	-0.2061
39	0.1059	89	-0.4001	153	-0.2851
40	0.0669	90	0.0959	154	-0.3811
41	-0.0441	91	0.0759	155	0.1509
42	-0.2241	92	0.0369	156	0.1329
43	0.1849	93	-0.0001	157	-0.0541
44	0.1739	94	-0.0661	158	0.4599
45	0.1709	95	-0.4011	159	0.2979
46	0.1689	96	-0.2841	160	0.2449
47	0.1669	97	-0.3441	161	0.1249
48	0.1589	98	0.1749	162	0.4389
49	0.1449	99	0.1489	163	0.3479
50	0.1269	100	-0.0921	164	0.0389
51	0.0959	101	-0.1881	165	0.0499

ORF	CP	ORF	CP	ORF	CP
166	0.5249	217	-0.0031	268	-0.0591
167	0.3329	218	0.0829	269	0.2449
168	0.2829	219	0.1189	270	0.3319
169	0.1369	220	0.0979	271	-0.1651
170	0.3429	221	-0.4141	272	-0.1571
171	0.2159	222	-0.2591	273	0.2749
172	-0.0351	223	0.0999	274	0.3379
173	0.0929	224	0.0779	275	0.5369
174	-0.0241	225	0.3689	276	0.4499
175	-0.2631	226	0.2349	277	0.3049
176	-0.4031	227	-0.4061	278	-0.5581
177	-0.1841	228	-0.3901	279	-0.5181
178	-0.3151	229	-0.3661	280	-0.4741
179	-0.2591	230	-0.2461	281	-0.3491
180	-0.3161	231	-0.0151	282	-0.1511
181	0.3159	232	0.0719	283	0.0119
182	0.5009	233	0.1119	284	0.1309
183	0.4899	234	0.1059	285	0.1059
184	0.6469	235	-0.0851	286	-0.1811
185	0.7139	236	-0.1791	287	-0.1941
186	0.8309	237	-0.0171	288	0.2569
187	0.8639	238	0.0439	289	0.3389
188	0.9059	239	0.3749	290	0.2719
189	1.0329	240	0.2769	291	-0.3551
190	-0.3101	241	-0.4551	292	0.1199
191	-0.3141	242	-0.4391	325	0.0569
192	-0.3201	244	-0.2131	326	0.0559
193	-0.3161	245	0.0029	327	0.0559
194	-0.3001	246	0.0659	328	0.0549
195	-0.3151	247	0.1099	329	0.0549
196	-0.3231	248	0.1129	330	0.0569
197	-0.3081	249	0.0809	331	0.0579
198	-0.3101	250	0.0609	332	0.0569
199	-0.3151	251	-0.3031	333	0.0569
200	-0.3091	252	-0.0011	334	0.0569
201	-0.2961	253	0.3899	335	0.0569
202	-0.2991	254	0.2519	336	0.0539
203	-0.2951	255	-0.4351	337	0.0559
204	-0.2891	256	-0.4301	338	0.0569
205	0.3859	257	-0.4011	339	0.0559
206	0.4079	258	-0.3401	340	0.0559
207	0.4049	259	-0.1601	341	0.0549
208	0.4019	260	0.0129	350	-0.0621
210	0.4669	261	0.1269	351	0.0499
211	0.4039	262	0.1269	352	0.0589
212	0.2739	263	-0.0481	353	0.0579
213	-0.5461	264	0.0089	354	0.0569
214	-0.4691	265	0.2429	355	0.0599
215	-0.3921	266	0.2909		
216	-0.2191	267	-0.0841		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 319
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 16.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.056
TUNNEL DYNAMIC PRESSURE(PSF) = 724.
TUNNEL STAGNATION PRESSURE(PSF) = 1878.
TUNNEL STATIC PRESSURE(PSF) = 928.
REYNOLDS NUMBER PER FOOT = 3.9890E 06
MODEL ANGLE OF ATTACK(DEG) = 2.08
FIN ANGLE(DEG) = -0.57
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	0.9452
247	0.9442
347	0.9452
447	0.9462
547	0.9482
647	0.9472
747	0.9482

ORF	CP	ORF	CP	ORF	CP
1	0.1812	52	-0.0258	102	-0.1668
2	-0.2588	53	-0.2398	103	-0.5758
3	-0.2968	54	-0.2588	104	-0.5398
4	-0.1888	55	0.1002	105	-0.3708
5	-0.0918	56	0.1042	110	-0.1778
6	-0.0148	57	0.1072	111	-0.1838
7	0.0292	58	0.1022	112	-0.1388
8	0.0522	59	0.0882	113	-0.1938
9	0.0662	60	0.0742	114	-0.2008
10	0.0762	61	0.0512	115	-0.1748
11	0.0742	62	0.0122	116	-0.1138
12	0.0622	63	-0.0428	117	-0.0638
13	0.0342	64	-0.3848	118	-0.0598
14	-0.0968	65	-0.3608	119	-0.0618
15	-0.1538	66	0.0942	120	0.0542
16	-0.0758	67	0.1092	121	0.0152
17	-0.1468	68	0.0992	122	0.0092
18	-0.0908	69	0.0842	123	-0.1908
19	-0.0218	70	0.0622	124	-0.0698
20	0.0202	71	0.0372	125	-0.0368
21	0.0502	72	0.0002	126	0.0092
22	0.0662	73	-0.0758	127	-0.0168
23	0.0752	74	-0.3998	128	-0.2218
24	0.0742	75	0.0992	129	-0.1308
25	0.0742	76	0.0962	135	0.0172
26	0.0532	77	0.0712	136	0.0162
27	0.0112	78	0.0512	137	0.0132
28	-0.1138	79	0.0112	138	0.0442
29	-0.1798	80	-0.0258	139	0.0462
30	-0.0688	81	-0.1328	140	0.0452
32	0.0312	82	-0.4018	141	0.2382
33	0.0562	83	0.0812	142	0.2372
34	0.0672	84	0.0682	143	0.2312
35	0.0812	85	0.0262	145	0.0172
36	0.0842	86	0.0112	147	0.2382
37	0.0782	87	-0.0238	151	0.0642
38	0.0662	88	-0.1018	152	-0.1948
39	0.0482	89	-0.4088	153	-0.2738
40	0.0002	90	0.0212	154	-0.3348
41	-0.1108	91	0.0312	155	0.0992
42	-0.2048	92	0.0012	156	0.1082
43	0.0612	93	-0.0298	157	-0.0708
44	0.0812	94	-0.0888	158	0.3542
45	0.0882	95	-0.4058	159	0.2192
46	0.0932	96	-0.2018	160	0.1572
47	0.0922	97	-0.3158	161	0.0342
48	0.0902	98	0.1762	162	0.3302
49	0.0792	99	0.1552	163	0.2192
50	0.0592	100	-0.1318	164	0.0462
51	0.0252	101	-0.2008	165	-0.0368

ORF	CP	ORF	CP	ORF	CP
166	0.4282	217	-0.0128	268	-0.0418
167	0.2032	218	0.0502	269	0.2112
168	0.1682	219	0.0782	270	0.2832
169	0.0352	220	0.0562	271	-0.1878
170	0.3122	221	-0.4048	272	-0.1078
171	0.1162	222	-0.2738	273	0.2442
172	-0.1088	223	0.0642	274	0.2682
173	0.0502	224	0.0422	275	0.4822
174	-0.0468	225	0.3372	276	0.4052
175	-0.2538	226	0.1952	277	0.2532
176	-0.3368	227	-0.4278	278	-0.6788
177	-0.1568	228	-0.4228	279	-0.5858
178	-0.2548	229	-0.3808	280	-0.5188
179	-0.2088	230	-0.2618	281	-0.3568
180	-0.2948	231	-0.0428	282	-0.1208
181	0.2782	232	0.0382	283	-0.0098
182	0.4162	233	0.0742	284	0.0822
183	0.4252	234	0.0652	285	0.0552
184	0.5452	235	-0.1098	286	-0.1928
185	0.5812	236	-0.1858	287	-0.1878
186	0.6062	237	-0.0398	288	0.2162
187	0.6242	238	0.0182	289	0.2802
188	0.6722	239	0.3802	290	0.2482
189	0.6892	240	0.2822	291	-0.3608
190	-0.2998	241	-0.5698	292	0.1382
191	-0.3088	242	-0.5338	325	0.0582
192	-0.3018	244	-0.3258	326	0.0592
193	-0.3028	245	-0.0818	327	0.0592
194	-0.2928	246	0.0162	328	0.0592
195	-0.3058	247	0.0712	329	0.0602
196	-0.3148	248	0.0832	330	0.0582
197	-0.2968	249	0.0592	331	0.0592
198	-0.2948	250	0.0612	332	0.0592
199	-0.2858	251	-0.2818	333	0.0602
200	-0.2888	252	-0.0058	334	0.0602
201	-0.2788	253	0.4252	335	0.0592
202	-0.2808	254	0.2802	336	0.0592
203	-0.2738	255	-0.6608	337	0.0582
204	-0.2718	256	-0.5988	338	0.0592
205	0.3622	257	-0.5178	339	0.0602
206	0.3752	258	-0.4078	340	0.0592
207	0.3752	259	-0.1758	341	0.0602
208	0.3892	260	-0.0158	350	-0.0618
210	0.4242	261	0.0772	351	0.0512
211	0.3602	262	0.0842	352	0.0612
212	0.2252	263	-0.0858	353	0.0612
213	-0.5178	264	0.0032	354	0.0622
214	-0.4568	265	0.2192	355	0.0602
215	-0.3868	266	0.2502		
216	-0.2048	267	-0.1218		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 320
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 16.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.050
TUNNEL DYNAMIC PRESSURE(PSF) = 722.
TUNNEL STAGNATION PRESSURE(PSF) = 1878.
TUNNEL STATIC PRESSURE(PSF) = 935.
REYNOLDS NUMBER PER FOOT = 3.9850E 06
MODEL ANGLE OF ATTACK(DEG) = 4.01
FIN ANGLE(DEG) = -0.42
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	0.9410
247	0.9400
347	0.9410
447	0.9410
547	0.9390
647	0.9380
747	0.9390

ORF	CP	ORF	CP	ORF	CP
1	0.0880	52	-0.1110	102	-0.1910
2	-0.3320	53	-0.2770	103	-0.5910
3	-0.3650	54	-0.2310	104	-0.5760
4	-0.2790	55	-0.2530	105	-0.4130
5	-0.1850	56	-0.0590	110	-0.1790
6	-0.1040	57	0.0110	111	-0.1810
7	-0.0540	58	0.0170	112	-0.1400
8	-0.0230	59	0.0060	113	-0.2090
9	-0.0060	60	-0.0080	114	-0.2250
10	0.0050	61	-0.0300	115	-0.1910
11	0.0060	62	-0.0650	116	-0.1270
12	-0.0050	63	-0.1230	117	-0.0770
13	-0.0320	64	-0.4040	118	-0.0730
14	-0.1450	65	-0.3540	119	-0.0720
15	-0.1850	66	-0.2740	120	0.0440
16	-0.1550	67	-0.1000	121	0.0200
17	-0.2060	68	-0.0170	122	-0.0210
18	-0.1830	69	-0.0050	123	-0.1770
19	-0.1260	70	-0.0180	124	-0.0930
20	-0.0820	71	-0.0420	125	-0.0570
21	-0.0460	72	-0.0750	126	-0.0180
22	-0.0160	73	-0.1430	127	-0.0400
23	-0.0030	74	-0.4190	128	-0.2100
24	-0.0010	75	-0.3090	129	-0.1340
25	-0.0020	76	-0.1410	135	-0.0090
26	-0.0210	77	-0.0340	136	-0.0040
27	-0.0610	78	-0.0270	137	-0.0070
28	-0.1700	79	-0.0520	138	0.0330
29	-0.2010	80	-0.0950	139	0.0330
30	-0.1660	81	-0.1880	140	0.0380
32	-0.1080	82	-0.4130	141	0.2290
33	-0.0670	83	-0.2770	142	0.2300
34	-0.0310	84	-0.1810	143	0.2280
35	-0.0110	85	-0.0810	145	-0.0080
36	-0.0030	86	-0.0570	147	0.2360
37	-0.0030	87	-0.0630	151	0.0560
38	-0.0130	88	-0.1360	152	-0.2210
39	-0.0360	89	-0.4170	153	-0.3140
40	-0.0790	90	-0.3430	154	-0.3080
41	-0.1760	91	-0.2120	155	-0.0230
42	-0.2090	92	-0.0960	156	0.0500
43	-0.2040	93	-0.0720	157	-0.1000
44	-0.0790	94	-0.1330	158	0.2340
45	-0.0150	95	-0.4070	159	0.1360
46	0.0030	96	-0.2240	160	0.0600
47	0.0030	97	-0.2700	161	-0.0650
48	0.0010	98	0.1910	162	0.2320
49	-0.0090	99	0.1730	163	0.1230
50	-0.0270	100	-0.1860	164	0.0400
51	-0.0590	101	-0.2270	165	-0.0950

ORF	CP	ORF	CP	ORF	CP
166	0.3580	217	-0.1180	268	-0.0760
167	0.1600	218	-0.0200	269	0.1490
168	0.1290	219	0.0280	270	0.1940
169	0.0080	220	0.0120	271	-0.2070
170	0.1920	221	-0.4360	272	-0.1100
171	0.0940	222	-0.3240	273	0.1650
172	-0.1130	223	0.0210	274	0.1850
173	0.0390	224	0.0090	275	0.4520
174	-0.0640	225	0.3110	276	0.3150
175	-0.2100	226	0.1680	277	0.1640
176	-0.3250	227	-0.5570	278	-0.6990
177	-0.1750	228	-0.5420	279	-0.6650
178	-0.2500	229	-0.5000	280	-0.5820
179	-0.2220	230	-0.3840	281	-0.4420
180	-0.2860	231	-0.1460	282	-0.2150
181	0.2050	232	-0.0360	283	-0.0820
182	0.3450	233	0.0230	284	0.0070
183	0.3490	234	0.0160	285	-0.0110
184	0.4550	235	-0.1540	286	-0.2240
185	0.4820	236	-0.2170	287	-0.1870
186	0.5120	237	-0.0810	288	0.1530
187	0.5760	238	-0.0170	289	0.2050
188	0.6500	239	0.3910	290	0.1890
189	0.6930	240	0.2900	291	-0.3620
190	-0.3030	241	-0.9380	292	0.1710
191	-0.3170	242	-0.8400	325	0.0500
192	-0.3160	244	-0.4660	326	0.0490
193	-0.3090	245	-0.1530	327	0.0490
194	-0.2950	246	-0.0460	328	0.0500
195	-0.3130	247	0.0170	329	0.0490
196	-0.3190	248	0.0370	330	0.0480
197	-0.3040	249	0.0150	331	0.0490
198	-0.2980	250	0.0520	332	0.0490
199	-0.2920	251	-0.2810	333	0.0490
200	-0.2960	252	-0.0420	334	0.0500
201	-0.2860	253	0.3900	335	0.0480
202	-0.2820	254	0.2330	336	0.0510
203	-0.2840	255	-0.8180	337	0.0490
204	-0.2850	256	-0.7220	338	0.0490
205	0.3450	257	-0.6280	339	0.0490
206	0.3650	258	-0.5070	340	0.0500
207	0.3650	259	-0.2790	341	0.0500
208	0.3690	260	-0.0970	350	-0.0700
210	0.4060	261	0.0100	351	0.0440
211	0.3180	262	0.0160	352	0.0520
212	0.1830	263	-0.1400	353	0.0500
213	-0.6140	264	-0.0390	354	0.0530
214	-0.5540	265	0.1680	355	0.0510
215	-0.4850	266	0.1850		
216	-0.3350	267	-0.1650		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 321
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 16.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.050
TUNNEL DYNAMIC PRESSURE(PSF) = 722.
TUNNEL STAGNATION PRESSURE(PSF) = 1878.
TUNNEL STATIC PRESSURE(PSF) = 935.
REYNOLDS NUMBER PER FOOT = 3.9870E 06
MODEL ANGLE OF ATTACK(DEG) = 6.01
FIN ANGLE(DEG) = -0.19
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	0.9410
247	0.9400
347	0.9400
447	0.9410
547	0.9420
647	0.9420
747	0.9420

ORF	CP	ORF	CP	ORF	CP
1	0.0370	52	-0.1380	102	-0.2010
2	-0.4060	53	-0.2750	103	-0.6270
3	-0.6500	54	-0.2430	104	-0.6090
4	-0.3240	55	-0.5010	105	-0.4490
5	-0.1910	56	-0.3960	110	-0.1550
6	-0.1410	57	-0.2420	111	-0.1560
7	-0.1080	58	-0.1220	112	-0.1220
8	-0.0860	59	-0.0570	113	-0.2030
9	-0.0710	60	-0.0390	114	-0.2350
10	-0.0580	61	-0.0400	115	-0.1970
11	-0.0510	62	-0.0770	116	-0.1350
12	-0.0540	63	-0.1390	117	-0.0900
13	-0.0710	64	-0.4110	118	-0.0710
14	-0.1840	65	-0.3570	119	-0.0700
15	-0.2190	66	-0.4790	120	0.0420
16	-0.2760	67	-0.4220	121	-0.0070
17	-0.4440	68	-0.3100	122	-0.0140
18	-0.2620	69	-0.1630	123	-0.1700
19	-0.1760	70	-0.0710	124	-0.0900
20	-0.1440	71	-0.0650	125	-0.0660
21	-0.1170	72	-0.0980	126	-0.0280
22	-0.0940	73	-0.1700	127	-0.0480
23	-0.0790	74	-0.4160	128	-0.2080
24	-0.0660	75	-0.4040	129	-0.1300
25	-0.0610	76	-0.3990	135	-0.0190
26	-0.0720	77	-0.3630	136	-0.0190
27	-0.1080	78	-0.2800	137	-0.0180
28	-0.2050	79	-0.1890	138	0.0490
29	-0.2230	80	-0.1570	139	0.0430
30	-0.3480	81	-0.2300	140	0.0450
32	-0.1870	82	-0.3980	141	0.2410
33	-0.1510	83	-0.3260	142	0.2460
34	-0.1230	84	-0.3850	143	0.2370
35	-0.1050	85	-0.3750	145	-0.0190
36	-0.0850	86	-0.3210	147	0.2460
37	-0.0750	87	-0.2710	151	0.0390
38	-0.0760	88	-0.2850	152	-0.2500
39	-0.0880	89	-0.3950	153	-0.3140
40	-0.1250	90	-0.4280	154	-0.2870
41	-0.2060	91	-0.4050	155	-0.0840
42	-0.2240	92	-0.3500	156	-0.0000
43	-0.5040	93	-0.3020	157	-0.1300
44	-0.2800	94	-0.3140	158	0.1810
45	-0.1340	95	-0.3950	159	0.0940
46	-0.0900	96	-0.2770	160	0.0250
47	-0.0780	97	-0.2940	161	-0.0900
48	-0.0700	98	0.1910	162	0.2240
49	-0.0700	99	0.2110	163	0.1180
50	-0.0720	100	-0.2210	164	0.0460
51	-0.0950	101	-0.2440	165	-0.1030

ORF	CP	ORF	CP	ORF	CP
166	0.3420	217	-0.2050	268	-0.1220
167	0.1690	218	-0.0760	269	0.1100
168	0.1290	219	-0.0010	270	0.1440
169	0.0190	220	-0.0050	271	-0.2220
170	0.1220	221	-0.4670	272	-0.1710
171	0.1250	222	-0.3810	273	0.1240
172	-0.0910	223	0.0080	274	0.1660
173	0.0540	224	0.0040	275	0.4220
174	-0.0510	225	0.3080	276	0.2700
175	-0.1910	226	0.1610	277	0.1170
176	-0.3130	227	-0.9840	278	-0.9160
177	-0.2180	228	-0.9240	279	-0.8970
178	-0.3110	229	-0.8210	280	-0.8070
179	-0.2720	230	-0.5660	281	-0.6120
180	-0.2800	231	-0.1990	282	-0.2420
181	0.1570	232	-0.0740	283	-0.1250
182	0.2990	233	-0.0060	284	-0.0600
183	0.3580	234	0.0070	285	-0.0550
184	0.4740	235	-0.1860	286	-0.2320
185	0.5110	236	-0.2350	287	-0.2180
186	0.5710	237	-0.0930	288	0.1320
187	0.7000	238	-0.0090	289	0.1920
188	0.8090	239	0.3900	290	0.1570
189	0.8440	240	0.2830	291	-0.3470
190	-0.2980	241	-0.9940	292	0.2260
191	-0.3170	242	-0.9040	325	0.0520
192	-0.3030	244	-0.6740	326	0.0510
193	-0.3080	245	-0.2970	327	0.0510
194	-0.3040	246	-0.0690	328	0.0500
195	-0.3100	247	-0.0140	329	0.0510
196	-0.3150	248	0.0220	330	0.0500
197	-0.3020	249	-0.0080	331	0.0530
198	-0.2970	250	0.0510	332	0.0510
199	-0.2960	251	-0.2790	333	0.0510
200	-0.3000	252	-0.0750	334	0.0520
201	-0.2830	253	0.3460	335	0.0520
202	-0.2810	254	0.1840	336	0.0530
203	-0.2840	255	-1.0070	337	0.0520
204	-0.2890	256	-0.9560	338	0.0510
205	0.3290	257	-0.9000	339	0.0520
206	0.3700	258	-0.7850	340	0.0510
207	0.3540	259	-0.2560	341	0.0520
208	0.3420	260	-0.1110	350	-0.0680
210	0.4220	261	-0.0470	351	0.0410
211	0.3200	262	-0.0180	352	0.0510
212	0.1840	263	-0.1760	353	0.0520
213	-0.8290	264	-0.1010	354	0.0510
214	-0.8020	265	0.1280	355	0.0500
215	-0.7300	266	0.1440		
216	-0.5480	267	-0.1970		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 322
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 16.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.056
TUNNEL DYNAMIC PRESSURE(PSF) = 724.
TUNNEL STAGNATION PRESSURE(PSF) = 1878.
TUNNEL STATIC PRESSURE(PSF) = 928.
REYNOLDS NUMBER PER FOOT = 3.9900E 06
MODEL ANGLE OF ATTACK(DEG) = 7.92
FIN ANGLE(DEG) = -0.14
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	0.9442
247	0.9432
347	0.9442
447	0.9452
547	0.9492
647	0.9482
747	0.9482

ORF	CP	ORF	CP	ORF	CP
1	0.0272	52	-0.2188	102	-0.2398
2	-0.4108	53	-0.3228	103	-0.6478
3	-0.6738	54	-0.2828	104	-0.6448
4	-0.3308	55	-0.5968	105	-0.4948
5	-0.2068	56	-0.5538	110	-0.1258
6	-0.1488	57	-0.3978	111	-0.1288
7	-0.1208	58	-0.2258	112	-0.0978
8	-0.1078	59	-0.1248	113	-0.1848
9	-0.0958	60	-0.1128	114	-0.2568
10	-0.0888	61	-0.1338	115	-0.2028
11	-0.0868	62	-0.1648	116	-0.1058
12	-0.0888	63	-0.2098	117	-0.0498
13	-0.1098	64	-0.4358	118	-0.0608
14	-0.2318	65	-0.3888	119	-0.0658
15	-0.2698	66	-0.5698	120	0.0432
16	-0.2948	67	-0.5718	121	-0.0118
17	-0.4578	68	-0.5278	122	-0.0208
18	-0.2648	69	-0.4378	123	-0.1628
19	-0.1728	70	-0.3128	124	-0.0978
20	-0.1558	71	-0.2128	125	-0.0728
21	-0.1368	72	-0.1748	126	-0.0328
22	-0.1198	73	-0.1958	127	-0.0548
23	-0.1108	74	-0.4208	128	-0.1988
24	-0.1038	75	-0.5548	129	-0.1178
25	-0.1008	76	-0.5648	135	-0.0318
26	-0.1128	77	-0.5558	136	-0.0278
27	-0.1468	78	-0.5138	137	-0.0298
28	-0.2528	79	-0.4358	138	0.0462
29	-0.2708	80	-0.3628	139	0.0492
30	-0.3648	81	-0.3588	140	0.0422
32	-0.1958	82	-0.4138	141	0.2472
33	-0.1748	83	-0.4708	142	0.2532
34	-0.1558	84	-0.5688	143	0.2402
35	-0.1438	85	-0.5688	145	-0.0298
36	-0.1288	86	-0.5468	147	0.2422
37	-0.1238	87	-0.5028	151	0.0002
38	-0.1278	88	-0.4628	152	-0.2498
39	-0.1428	89	-0.4638	153	-0.2828
40	-0.1848	90	-0.5728	154	-0.2678
41	-0.2668	91	-0.5588	155	-0.0528
42	-0.2698	92	-0.5308	156	-0.0278
43	-0.5678	93	-0.5168	157	-0.1468
44	-0.3118	94	-0.5238	158	0.1462
45	-0.1608	95	-0.4748	159	0.0652
46	-0.1358	96	-0.2968	160	0.0002
47	-0.1308	97	-0.3428	161	-0.1058
48	-0.1288	98	0.2172	162	0.2022
49	-0.1348	99	0.2242	163	0.1112
50	-0.1478	100	-0.2418	164	0.0452
51	-0.1788	101	-0.2808	165	-0.0988

ORF	CP	ORF	CP	ORF	CP
166	0.3592	217	-0.4008	268	-0.1728
167	0.1862	218	-0.1568	269	0.0572
168	0.1652	219	-0.0008	270	0.1002
169	0.0522	220	0.0132	271	-0.2608
170	0.1992	221	-0.5018	272	-0.2158
171	0.1502	222	-0.4338	273	0.0912
172	-0.0898	223	-0.0168	274	0.1202
173	0.0052	224	0.0122	275	0.4052
174	-0.0918	225	0.3332	276	0.2572
175	-0.2778	226	0.1862	277	0.1072
176	-0.3378	227	-0.9938	278	-0.9278
177	-0.2468	228	-0.9348	279	-0.8698
178	-0.3518	229	-0.8718	280	-0.8098
179	-0.2788	230	-0.6918	281	-0.6028
180	-0.2738	231	-0.3748	282	-0.2528
181	0.1012	232	-0.1308	283	-0.1368
182	0.2582	233	-0.0098	284	-0.0878
183	0.3692	234	0.0192	285	-0.0908
184	0.5022	235	-0.2118	286	-0.2668
185	0.5572	236	-0.2298	287	-0.2598
186	0.6312	237	-0.0858	288	0.0922
187	0.7452	238	0.0112	289	0.1852
188	0.8462	239	0.3732	290	0.1152
189	0.8752	240	0.2672	291	-0.3108
190	-0.2838	241	-0.9848	292	0.2872
191	-0.3278	242	-0.8908	325	0.0512
192	-0.3048	244	-0.6628	326	0.0502
193	-0.3158	245	-0.4168	327	0.0522
194	-0.3158	246	-0.1118	328	0.0512
195	-0.3218	247	-0.0428	329	0.0522
196	-0.3098	248	-0.0048	330	0.0492
197	-0.2898	249	-0.0378	331	0.0502
198	-0.2968	250	0.0572	332	0.0522
199	-0.2938	251	-0.2628	333	0.0522
200	-0.3088	252	-0.1098	334	0.0522
201	-0.2898	253	0.3252	335	0.0512
202	-0.2848	254	0.1602	336	0.0532
203	-0.2838	255	-1.0018	337	0.0512
204	-0.2908	256	-0.9458	338	0.0512
205	0.3092	257	-0.8998	339	0.0532
206	0.3382	258	-0.7308	340	0.0512
207	0.3122	259	-0.2908	341	0.0532
208	0.2982	260	-0.1218	350	-0.0628
210	0.4582	261	-0.0868	351	0.0492
211	0.3592	262	-0.0548	352	0.0552
212	0.2212	263	-0.2248	353	0.0552
213	-0.8228	264	-0.1618	354	0.0572
214	-0.8058	265	0.0782	355	0.0572
215	-0.7458	266	0.0982		
216	-0.6188	267	-0.2378		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 323
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 16.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.046
TUNNEL DYNAMIC PRESSURE(PSF) = 720.
TUNNEL STAGNATION PRESSURE(PSF) = 1879.
TUNNEL STATIC PRESSURE(PSF) = 940.
REYNOLDS NUMBER PER FOOT = 3.9860E 06
MODEL ANGLE OF ATTACK(DEG) = 11.93
FIN ANGLE(DEG) = -0.44
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	0.9334
247	0.9324
347	0.9324
447	0.9334
547	0.9284
647	0.9284
747	0.9284

ORF	CP	ORF	CP	ORF	CP
1	-0.0496	52	-0.3126	102	-0.3346
2	-0.4006	53	-0.4536	103	-0.6486
3	-0.4626	54	-0.3636	104	-0.6336
4	-0.2936	55	-0.4596	105	-0.5256
5	-0.2176	56	-0.2876	110	-0.0896
6	-0.1746	57	-0.2376	111	-0.0986
7	-0.1466	58	-0.2386	112	-0.0626
8	-0.1316	59	-0.2466	113	-0.1766
9	-0.1266	60	-0.2636	114	-0.3356
10	-0.1216	61	-0.2866	115	-0.2186
11	-0.1216	62	-0.3206	116	-0.0856
12	-0.1286	63	-0.3686	117	-0.0436
13	-0.1586	64	-0.4796	118	-0.0446
14	-0.2866	65	-0.4836	119	-0.0846
15	-0.3396	66	-0.7046	120	0.0144
16	-0.2666	67	-0.6166	121	-0.0606
17	-0.3086	68	-0.4116	122	-0.1006
18	-0.2096	69	-0.2996	123	-0.2196
19	-0.1676	70	-0.2876	124	-0.1406
20	-0.1516	71	-0.3076	125	-0.1166
21	-0.1416	72	-0.3436	126	-0.0776
22	-0.1286	73	-0.4036	127	-0.1026
23	-0.1296	74	-0.5216	128	-0.2286
24	-0.1266	75	-0.6966	129	-0.1416
25	-0.1316	76	-0.7576	135	-0.0806
26	-0.1456	77	-0.7566	136	-0.0766
27	-0.1866	78	-0.6086	137	-0.0766
28	-0.3006	79	-0.4706	138	0.0324
29	-0.3586	80	-0.3886	139	0.0334
30	-0.2146	81	-0.4336	140	0.0274
32	-0.1626	82	-0.5306	141	0.2184
33	-0.1556	83	-0.5866	142	0.2184
34	-0.1526	84	-0.7446	143	0.2104
35	-0.1496	85	-0.7846	145	-0.0776
36	-0.1466	86	-0.7826	147	0.2144
37	-0.1496	87	-0.7266	151	-0.0956
38	-0.1596	88	-0.6086	152	-0.2696
39	-0.1816	89	-0.5686	153	-0.2606
40	-0.2266	90	-0.7156	154	-0.2486
41	-0.3246	91	-0.7306	155	-0.1516
42	-0.3646	92	-0.7236	156	-0.0816
43	-0.2266	93	-0.7556	157	-0.1736
44	-0.2016	94	-0.7876	158	0.1104
45	-0.2006	95	-0.6526	159	-0.0346
46	-0.1986	96	-0.3156	160	-0.0776
47	-0.1996	97	-0.4346	161	-0.1566
48	-0.2016	98	0.0924	162	0.1054
49	-0.2116	99	0.1624	163	0.0144
50	-0.2306	100	-0.2586	164	0.0304
51	-0.2636	101	-0.3576	165	-0.1636

ORF	CP	ORF	CP	ORF	CP
166	0.2364	217	-0.5696	268	-0.2876
167	0.0934	218	-0.4936	269	-0.0196
168	0.0474	219	-0.1026	270	0.0424
169	-0.0476	220	0.0314	271	-0.3466
170	0.0544	221	-0.6126	272	-0.3026
171	0.0134	222	-0.4456	273	-0.0006
172	-0.1536	223	-0.0836	274	0.0324
173	-0.0516	224	-0.0256	275	0.2774
174	-0.1356	225	0.3614	276	0.1714
175	-0.2426	226	0.2204	277	0.0434
176	-0.3106	227	-1.0026	278	-0.8246
177	-0.3006	228	-0.9486	279	-0.7596
178	-0.3656	229	-0.8946	280	-0.6346
179	-0.3036	230	-0.7646	281	-0.4656
180	-0.2806	231	-0.6026	282	-0.2556
181	0.1254	232	-0.4936	283	-0.1706
182	0.2434	233	-0.0466	284	-0.1206
183	0.2774	234	0.0404	285	-0.1396
184	0.4424	235	-0.2676	286	-0.3586
185	0.4814	236	-0.2666	287	-0.3686
186	0.5374	237	-0.0816	288	-0.0216
187	0.5924	238	0.0304	289	0.0634
188	0.6114	239	0.3464	290	0.0204
189	0.6264	240	0.2544	291	-0.2676
190	-0.3196	241	-1.0026	292	0.3504
191	-0.3656	242	-0.9146	325	0.0364
192	-0.3426	244	-0.7946	326	0.0354
193	-0.3516	245	-0.6506	327	0.0344
194	-0.3646	246	-0.2916	328	0.0364
195	-0.3616	247	-0.0666	329	0.0364
196	-0.3436	248	-0.0256	330	0.0364
197	-0.3336	249	-0.1196	331	0.0364
198	-0.3346	250	0.0364	332	0.0364
199	-0.3286	251	-0.2746	333	0.0384
200	-0.3426	252	-0.2306	334	0.0364
201	-0.3246	253	0.2304	335	0.0384
202	-0.3146	254	0.0884	336	0.0384
203	-0.3206	255	-0.9916	337	0.0364
204	-0.3276	256	-0.9406	338	0.0354
205	0.2164	257	-0.8456	339	0.0354
206	0.2374	258	-0.6816	340	0.0384
207	0.2064	259	-0.3396	341	0.0364
208	0.1784	260	-0.1816	350	-0.0956
210	0.4944	261	-0.1136	351	0.0254
211	0.4104	262	-0.1036	352	0.0324
212	0.2724	263	-0.3066	353	0.0364
213	-0.8326	264	-0.3006	354	0.0354
214	-0.8236	265	-0.0026	355	0.0344
215	-0.7766	266	0.0174		
216	-0.6706	267	-0.3216		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 324
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 16.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.056
TUNNEL DYNAMIC PRESSURE(PSF) = 725.
TUNNEL STAGNATION PRESSURE(PSF) = 1878.
TUNNEL STATIC PRESSURE(PSF) = 928.
REYNOLDS NUMBER PER FOOT = 3.9890E 06
MODEL ANGLE OF ATTACK(DEG) = 14.10
FIN ANGLE(DEG) = -0.57
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	0.9450
247	0.9440
347	0.9450
447	0.9450
547	0.9420
647	0.9420
747	0.9420

ORF	CP	ORF	CP	ORF	CP
1	-0.1420	52	-0.2880	102	-0.3410
2	-0.4430	53	-0.4260	103	-0.6520
3	-0.4820	54	-0.3790	104	-0.6270
4	-0.3390	55	-0.4760	105	-0.5260
5	-0.2360	56	-0.3770	110	-0.0390
6	-0.1890	57	-0.2880	111	-0.0560
7	-0.1640	58	-0.2490	112	-0.0220
8	-0.1450	59	-0.2390	113	-0.1460
9	-0.1380	60	-0.2500	114	-0.3410
10	-0.1280	61	-0.2680	115	-0.2000
11	-0.1360	62	-0.2950	116	-0.0310
12	-0.1420	63	-0.3480	117	-0.0090
13	-0.1630	64	-0.5010	118	-0.0380
14	-0.2830	65	-0.4810	119	-0.0790
15	-0.3360	66	-0.6290	120	0.0100
16	-0.3350	67	-0.5150	121	-0.0880
17	-0.3630	68	-0.4540	122	-0.1080
18	-0.2830	69	-0.3820	123	-0.1890
19	-0.2160	70	-0.3390	124	-0.1330
20	-0.1800	71	-0.3280	125	-0.1110
21	-0.1640	72	-0.3550	126	-0.0800
22	-0.1480	73	-0.4090	127	-0.0970
23	-0.1460	74	-0.5230	128	-0.2130
24	-0.1400	75	-0.6770	129	-0.1370
25	-0.1400	76	-0.6920	135	-0.0910
26	-0.1540	77	-0.6860	136	-0.0850
27	-0.1870	78	-0.5510	137	-0.0890
28	-0.2960	79	-0.4950	138	0.0350
29	-0.3510	80	-0.4650	139	0.0360
30	-0.3210	81	-0.5000	140	0.0400
32	-0.1920	82	-0.5490	141	0.2200
33	-0.1690	83	-0.5800	142	0.2160
34	-0.1600	84	-0.7350	143	0.2030
35	-0.1500	85	-0.7460	145	-0.0820
36	-0.1440	86	-0.6990	147	0.2300
37	-0.1520	87	-0.6490	151	-0.1190
38	-0.1560	88	-0.6020	152	-0.2920
39	-0.1760	89	-0.5590	153	-0.2450
40	-0.2160	90	-0.7240	154	-0.2530
41	-0.3090	91	-0.7520	155	-0.1460
42	-0.3580	92	-0.7610	156	-0.1120
43	-0.3410	93	-0.7600	157	-0.1860
44	-0.2460	94	-0.7450	158	0.1310
45	-0.1930	95	-0.6360	159	-0.0470
46	-0.1820	96	-0.2490	160	-0.0850
47	-0.1800	97	-0.4210	161	-0.1500
48	-0.1810	98	0.0910	162	0.1060
49	-0.1900	99	0.1650	163	0.0100
50	-0.2080	100	-0.2490	164	0.0290
51	-0.2390	101	-0.3740	165	-0.1530

ORF	CP	ORF	CP	ORF	CP
166	0.2600	217	-0.5410	268	-0.2650
167	0.0860	218	-0.4470	269	-0.0200
168	0.0480	219	-0.1200	270	0.0530
169	-0.0470	220	0.0110	271	-0.3510
170	0.0260	221	-0.5940	272	-0.2870
171	0.0100	222	-0.4450	273	0.0050
172	-0.1510	223	-0.0800	274	0.0340
173	-0.0330	224	-0.0280	275	0.2350
174	-0.1170	225	0.3430	276	0.1280
175	-0.2290	226	0.2030	277	0.0120
176	-0.2940	227	-0.9860	278	-0.8280
177	-0.3180	228	-0.9340	279	-0.7350
178	-0.3850	229	-0.8790	280	-0.6220
179	-0.3250	230	-0.7630	281	-0.4530
180	-0.2810	231	-0.5990	282	-0.2460
181	0.1060	232	-0.4510	283	-0.1830
182	0.2120	233	-0.0540	284	-0.1340
183	0.2610	234	0.0220	285	-0.1470
184	0.4010	235	-0.2740	286	-0.3640
185	0.4540	236	-0.2790	287	-0.3690
186	0.4880	237	-0.0640	288	-0.0110
187	0.5060	238	0.0380	289	0.0710
188	0.5800	239	0.3180	290	0.0060
189	0.6020	240	0.2210	291	-0.2160
190	-0.3000	241	-0.9930	292	0.4020
191	-0.3580	242	-0.9140	325	0.0390
192	-0.3250	244	-0.8160	326	0.0370
193	-0.3470	245	-0.5780	327	0.0380
194	-0.3430	246	-0.2610	328	0.0400
195	-0.3570	247	-0.0790	329	0.0370
196	-0.3160	248	-0.0390	330	0.0420
197	-0.3130	249	-0.1230	331	0.0380
198	-0.3150	250	0.0370	332	0.0380
199	-0.3190	251	-0.2470	333	0.0400
200	-0.3370	252	-0.2070	334	0.0370
201	-0.3130	253	0.1780	335	0.0420
202	-0.2990	254	0.0390	336	0.0350
203	-0.3120	255	-0.9010	337	0.0390
204	-0.3190	256	-0.8320	338	0.0380
205	0.1940	257	-0.7810	339	0.0380
206	0.2230	258	-0.5820	340	0.0390
207	0.1900	259	-0.3190	341	0.0370
208	0.1790	260	-0.2010	350	-0.0800
210	0.4600	261	-0.1230	351	0.0270
211	0.3910	262	-0.1090	352	0.0380
212	0.2490	263	-0.2950	353	0.0380
213	-0.8160	264	-0.2790	354	0.0370
214	-0.8050	265	-0.0090	355	0.0370
215	-0.7500	266	0.0120		
216	-0.6440	267	-0.3150		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 325
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 16.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.048
TUNNEL DYNAMIC PRESSURE(PSF) = 720.
TUNNEL STAGNATION PRESSURE(PSF) = 1876.
TUNNEL STATIC PRESSURE(PSF) = 937.
REYNOLDS NUMBER PER FOOT = 3.9790E 06
MODEL ANGLE OF ATTACK(DEG) = 0.11
FIN ANGLE(DEG) = -0.28
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 546.

SCANIVALE	CP(REF)
147	0.9396
247	0.9386
347	0.9386
447	0.9396
547	0.9346
647	0.9346
747	0.9346

ORF	CP	ORF	CP	ORF	CP
1	0.2116	52	0.0316	102	-0.1524
2	-0.2274	53	-0.1934	103	-0.5434
3	-0.3014	54	-0.3194	104	-0.5284
4	-0.2124	55	0.2166	105	-0.3344
5	-0.0874	56	0.1936	110	-0.1944
6	-0.0154	57	0.1826	111	-0.2034
7	0.0436	58	0.1686	112	-0.1554
8	0.0846	59	0.1546	113	-0.2064
9	0.1056	60	0.1306	114	-0.2174
10	0.1106	61	0.1066	115	-0.1814
11	0.1106	62	0.0696	116	-0.1204
12	0.1006	63	0.0056	117	-0.0744
13	0.0706	64	-0.3674	118	-0.0744
14	-0.0604	65	-0.3634	119	-0.0684
15	-0.1304	66	0.2156	120	0.0426
16	-0.0864	67	0.1956	121	0.0286
17	-0.1694	68	0.1706	122	-0.0094
18	-0.0664	69	0.1516	123	-0.2034
19	0.0206	70	0.1236	124	-0.0734
20	0.0576	71	0.0916	125	-0.0444
21	0.0916	72	0.0466	126	0.0096
22	0.1116	73	-0.0364	127	-0.0244
23	0.1186	74	-0.3854	128	-0.2334
24	0.1206	75	0.2126	129	-0.1474
25	0.1146	76	0.1786	135	0.0106
26	0.0986	77	0.1416	136	0.0146
27	0.0606	78	0.1056	137	0.0136
28	-0.0724	79	0.0606	138	0.0426
29	-0.1684	80	0.0096	139	0.0396
30	-0.0324	81	-0.1114	140	0.0396
32	0.0926	82	-0.3984	141	0.2236
33	0.1096	83	0.1686	142	0.2266
34	0.1216	84	0.1426	143	0.2266
35	0.1296	85	0.0816	145	0.0116
36	0.1316	86	0.0496	147	0.2326
37	0.1306	87	0.0016	151	0.0496
38	0.1176	88	-0.0844	152	-0.2114
39	0.1006	89	-0.4124	153	-0.2904
40	0.0556	90	0.0846	154	-0.3714
41	-0.0554	91	0.0686	155	0.1476
42	-0.2254	92	0.0276	156	0.1156
43	0.1676	93	-0.0104	157	-0.0644
44	0.1646	94	-0.0754	158	0.4526
45	0.1596	95	-0.4134	159	0.2876
46	0.1606	96	-0.2994	160	0.2386
47	0.1536	97	-0.3544	161	0.1196
48	0.1486	98	0.1656	162	0.4306
49	0.1346	99	0.1406	163	0.3296
50	0.1166	100	-0.1024	164	0.0486
51	0.0846	101	-0.1984	165	0.0416

ORF	CP	ORF	CP	ORF	CP
166	0.5216	217	-0.0124	268	-0.0714
167	0.3286	218	0.0666	269	0.2326
168	0.2626	219	0.1026	270	0.3146
169	0.1236	220	0.0866	271	-0.1754
170	0.3366	221	-0.4294	272	-0.1644
171	0.2176	222	-0.2704	273	0.2576
172	-0.0454	223	0.0886	274	0.3246
173	0.0886	224	0.0726	275	0.5226
174	-0.0334	225	0.3586	276	0.4266
175	-0.2734	226	0.2146	277	0.2996
176	-0.3934	227	-0.4404	278	-0.5834
177	-0.1894	228	-0.4074	279	-0.5394
178	-0.3154	229	-0.3874	280	-0.4714
179	-0.2654	230	-0.2724	281	-0.3624
180	-0.3104	231	-0.0384	282	-0.1524
181	0.3356	232	0.0556	283	-0.0074
182	0.4956	233	0.0956	284	0.1136
183	0.4826	234	0.0876	285	0.0926
184	0.6266	235	-0.1004	286	-0.1894
185	0.7016	236	-0.1924	287	-0.2084
186	0.7746	237	-0.0304	288	0.2416
187	0.8406	238	0.0316	289	0.3246
188	0.9096	239	0.3706	290	0.2636
189	0.9726	240	0.2596	291	-0.3694
190	-0.3044	241	-0.4764	292	0.0986
191	-0.3094	242	-0.4524	325	0.0536
192	-0.3094	244	-0.2404	326	0.0526
193	-0.3214	245	-0.0314	327	0.0526
194	-0.3104	246	0.0476	328	0.0536
195	-0.3084	247	0.0926	329	0.0516
196	-0.3214	248	0.0996	330	0.0516
197	-0.3044	249	0.0686	331	0.0536
198	-0.2994	250	0.0526	332	0.0526
199	-0.3034	251	-0.2964	333	0.0546
200	-0.3064	252	-0.0124	334	0.0516
201	-0.2964	253	0.4016	335	0.0516
202	-0.2934	254	0.2466	336	0.0526
203	-0.2954	255	-0.4334	337	0.0526
204	-0.2944	256	-0.4374	338	0.0536
205	0.3706	257	-0.4224	339	0.0526
206	0.4026	258	-0.3644	340	0.0536
207	0.3936	259	-0.1704	341	0.0516
208	0.3906	260	-0.0014	350	-0.0714
210	0.4556	261	0.1096	351	0.0426
211	0.3906	262	0.1146	352	0.0496
212	0.2566	263	-0.0614	353	0.0506
213	-0.5694	264	-0.0054	354	0.0496
214	-0.4894	265	0.2336	355	0.0526
215	-0.4184	266	0.2746		
216	-0.2284	267	-0.0994		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 341
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 15.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.001
TUNNEL DYNAMIC PRESSURE(PSF) = 702.
TUNNEL STAGNATION PRESSURE(PSF) = 1897.
TUNNEL STATIC PRESSURE(PSF) = 1001.
REYNOLDS NUMBER PER FOOT = 3.9930E 06
MODEL ANGLE OF ATTACK(DEG) = -14.21
FIN ANGLE(DEG) = -0.50
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 545.

SCANIVALE	CP(REF)
147	0.8711
247	0.8701
347	0.8701
447	0.8711
547	0.8721
647	0.8721
747	0.8711

ORF	CP	ORF	CP	ORF	CP
1	0.5251	52	0.2081	102	-0.0769
2	0.2721	53	-0.0769	103	-0.5719
3	0.3401	54	-0.0189	104	-0.4809
4	0.3991	55	0.6571	105	-0.3809
5	0.4251	56	0.5881	110	-0.1939
6	0.4411	57	0.5361	111	-0.1909
7	0.4411	58	0.4881	112	-0.1169
8	0.4341	59	0.4511	113	-0.1499
9	0.4251	60	0.4001	114	-0.3799
10	0.4091	61	0.3391	115	-0.0579
11	0.3881	62	0.2661	116	0.0351
12	0.3571	63	0.1561	117	0.0491
13	0.3091	64	-0.1309	118	0.0501
14	0.1071	65	-0.0799	119	-0.0009
15	0.0241	66	0.6381	120	-0.0249
16	0.5481	67	0.5631	121	-0.0469
17	0.5191	68	0.4971	122	-0.2229
18	0.5061	69	0.4371	123	-0.3169
19	0.4941	70	0.3791	124	-0.1509
20	0.4881	71	0.3191	125	-0.1279
21	0.4761	72	0.2331	126	-0.0529
22	0.4581	73	0.0931	127	-0.0999
23	0.4371	74	-0.1179	128	-0.3179
24	0.4141	75	0.6101	129	-0.2459
25	0.3861	76	0.5161	135	-0.0369
26	0.3471	77	0.4361	136	-0.0379
27	0.2821	78	0.3541	137	-0.0349
28	0.0991	79	0.2671	138	0.1181
29	-0.0039	80	0.1651	139	0.1211
30	0.6251	81	-0.0219	140	0.1321
32	0.5511	82	-0.1459	141	0.2391
33	0.5241	83	0.5181	142	0.2231
34	0.4991	84	0.4521	143	0.2241
35	0.4751	85	0.3451	145	-0.0369
36	0.4511	86	0.2381	147	0.2241
37	0.4191	87	0.1321	151	0.1411
38	0.3821	88	-0.0199	152	-0.1679
39	0.3391	89	-0.1839	153	-0.1999
40	0.2631	90	0.4391	154	-0.3489
41	0.1011	91	0.2551	155	0.1031
42	-0.0199	92	0.1491	156	0.2731
43	0.6561	93	0.0611	157	0.0511
44	0.5961	94	-0.0489	158	0.6861
45	0.5511	95	-0.2039	159	0.3781
46	0.5161	96	-0.6799	160	0.3511
47	0.4901	97	-0.2629	161	0.2121
48	0.4561	98	-0.9829	162	0.6181
49	0.4121	99	-0.5119	163	0.4381
50	0.3621	100	-0.3489	164	0.1191
51	0.2981	101	-0.1429	165	0.1091

ORF	CP	ORF	CP	ORF	CP
166	0.4571	217	0.0011	268	0.0211
167	0.3671	218	0.1981	269	0.4261
168	0.2741	219	0.3061	270	0.5661
169	0.0791	220	0.2621	271	-0.0979
170	0.4481	221	-0.3069	272	-0.0809
171	0.1611	222	-0.2089	273	0.4281
172	-0.0929	223	0.2261	274	0.5101
173	0.1641	224	0.2111	275	0.5741
174	0.0591	225	0.5801	276	0.6761
175	-0.2389	226	0.4131	277	0.5491
176	-0.4069	227	-0.2969	278	-0.2099
177	-0.1569	228	-0.2919	279	-0.0509
178	-0.3139	229	-0.2799	280	0.1151
179	-0.2989	230	-0.2129	281	0.3281
180	-0.3119	231	0.0301	282	0.4261
181	0.5501	232	0.2221	283	0.4361
182	0.7161	233	0.3021	284	0.4271
183	0.3521	234	0.2751	285	0.3281
184	0.4871	235	0.0391	286	-0.1279
185	0.6081	236	-0.0399	287	-0.0579
186	0.8171	237	0.1141	288	0.3161
187	0.9691	238	0.1941	289	0.3341
188	1.0621	239	0.6201	290	0.4641
189	1.1011	240	0.5141	291	-0.9179
190	-0.2689	241	-0.3119	292	-0.2069
191	-0.2699	242	-0.2899	325	-0.0219
192	-0.2929	244	-0.0799	326	-0.0179
193	-0.2899	245	0.1911	327	-0.0209
194	-0.2569	246	0.2821	328	-0.0159
195	-0.2909	247	0.3211	329	-0.0159
196	-0.2979	248	0.3091	330	-0.0199
197	-0.2839	249	0.2551	331	-0.0169
198	-0.2809	250	-0.0189	332	-0.0199
199	-0.2849	251	-0.2599	333	-0.0159
200	-0.2659	252	0.1011	334	-0.0159
201	-0.2649	253	0.6511	335	-0.0189
202	-0.2729	254	0.5011	336	-0.0239
203	-0.2719	255	-0.1489	337	-0.0219
204	-0.2679	256	-0.1279	338	-0.0179
205	0.0461	257	-0.0989	339	-0.0199
206	0.1211	258	0.0501	340	-0.0169
207	0.0791	259	0.2741	341	-0.0169
208	0.2181	260	0.3471	350	-0.0019
210	0.7391	261	0.3631	351	-0.0189
211	0.6161	262	0.3331	352	-0.0189
212	0.4571	263	0.0721	353	-0.0189
213	-0.2869	264	0.0871	354	-0.0189
214	-0.2769	265	0.4111	355	-0.0179
215	-0.2669	266	0.4921		
216	-0.2239	267	0.0261		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 342
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 15.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.004
TUNNEL DYNAMIC PRESSURE(PSF) = 703.
TUNNEL STAGNATION PRESSURE(PSF) = 1896.
TUNNEL STATIC PRESSURE(PSF) = 997.
REYNOLDS NUMBER PER FOOT = 3.9930E 06
MODEL ANGLE OF ATTACK(DEG) = -12.09
FIN ANGLE(DEG) = -0.37
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 545.

SCANIVALE	CP(REF)
147	0.8748
247	0.8738
347	0.8738
447	0.8748
547	0.8768
647	0.8778
747	0.8768

ORF	CP	ORF	CP	ORF	CP
1	0.4648	52	0.1778	102	-0.0722
2	0.1828	53	-0.1132	103	-0.5512
3	0.2528	54	-0.0352	104	-0.5052
4	0.3218	55	0.6058	105	-0.3612
5	0.3598	56	0.5378	110	-0.2162
6	0.3768	57	0.4898	111	-0.2152
7	0.3838	58	0.4488	112	-0.1492
8	0.3838	59	0.4118	113	-0.1632
9	0.3768	60	0.3628	114	-0.3452
10	0.3648	61	0.3058	115	-0.1102
11	0.3468	62	0.2348	116	-0.0202
12	0.3198	63	0.1288	117	0.0068
13	0.2758	64	-0.1832	118	-0.0202
14	0.0808	65	-0.0952	119	-0.0162
15	0.0048	66	0.5928	120	-0.0202
16	0.4678	67	0.5148	121	-0.0212
17	0.4428	68	0.4568	122	-0.0422
18	0.4358	69	0.4008	123	-0.2912
19	0.4358	70	0.3398	124	-0.1312
20	0.4268	71	0.2848	125	-0.1112
21	0.4208	72	0.2018	126	-0.0402
22	0.4078	73	0.0678	127	-0.0862
23	0.3888	74	-0.1362	128	-0.3082
24	0.3708	75	0.5668	129	-0.2312
25	0.3478	76	0.4728	135	-0.0282
26	0.3118	77	0.3968	136	-0.0312
27	0.2498	78	0.3178	137	-0.0282
28	0.0718	79	0.2338	138	0.1188
29	-0.0242	80	0.1308	139	0.1358
30	0.5508	81	-0.0502	140	0.1328
32	0.4898	82	-0.1652	141	0.2138
33	0.4678	83	0.4798	142	0.2268
34	0.4438	84	0.4138	143	0.2198
35	0.4258	85	0.3088	145	-0.0262
36	0.4038	86	0.2068	147	0.2218
37	0.3788	87	0.1048	151	0.1248
38	0.3458	88	-0.0462	152	-0.1762
39	0.3018	89	-0.2242	153	-0.2112
40	0.2328	90	0.4008	154	-0.3602
41	0.0728	91	0.2228	155	0.1268
42	-0.0392	92	0.1228	156	0.2658
43	0.5988	93	0.0368	157	0.0418
44	0.5408	94	-0.0762	158	0.6558
45	0.4968	95	-0.2182	159	0.3828
46	0.4668	96	-0.6692	160	0.3528
47	0.4448	97	-0.2822	161	0.2098
48	0.4128	98	-0.9482	162	0.6118
49	0.3698	99	-0.4922	163	0.4538
50	0.3258	100	-0.3472	164	0.1368
51	0.2658	101	-0.1312	165	0.1198

ORF	CP	ORF	CP	ORF	CP
166	0.4328	217	-0.0172	268	0.0008
167	0.3968	218	0.1688	269	0.3918
168	0.3128	219	0.2708	270	0.5188
169	0.1148	220	0.2338	271	-0.0932
170	0.4808	221	-0.3472	272	-0.1112
171	0.2018	222	-0.2302	273	0.3908
172	-0.0762	223	0.1958	274	0.4698
173	0.1698	224	0.1828	275	0.5578
174	0.0558	225	0.5488	276	0.6478
175	-0.2562	226	0.3838	277	0.5028
176	-0.4292	227	-0.3512	278	-0.2722
177	-0.1622	228	-0.3402	279	-0.1702
178	-0.3282	229	-0.3212	280	-0.0022
179	-0.2982	230	-0.2432	281	0.2228
180	-0.3062	231	0.0128	282	0.3538
181	0.5108	232	0.1828	283	0.3738
182	0.6878	233	0.2668	284	0.3748
183	0.3728	234	0.2438	285	0.2868
184	0.5258	235	0.0108	286	-0.1142
185	0.6858	236	-0.0762	287	-0.1082
186	0.9268	237	0.0748	288	0.2938
187	1.0698	238	0.1618	289	0.3168
188	1.1198	239	0.5978	290	0.4298
189	1.1378	240	0.4858	291	-0.9172
190	-0.2652	241	-0.3582	292	-0.1882
191	-0.2742	242	-0.3352	325	-0.0132
192	-0.2912	244	-0.1282	326	-0.0152
193	-0.2872	245	0.1378	327	-0.0172
194	-0.2552	246	0.2368	328	-0.0192
195	-0.2932	247	0.2798	329	-0.0192
196	-0.3002	248	0.2728	330	-0.0172
197	-0.2792	249	0.2248	331	-0.0132
198	-0.2822	250	-0.0132	332	-0.0152
199	-0.2882	251	-0.2662	333	-0.0182
200	-0.2692	252	0.0748	334	-0.0192
201	-0.2712	253	0.6168	335	-0.0162
202	-0.2792	254	0.4618	336	-0.0152
203	-0.2752	255	-0.2152	337	-0.0132
204	-0.2732	256	-0.2012	338	-0.0152
205	0.1348	257	-0.1702	339	-0.0182
206	0.1968	258	-0.0222	340	-0.0182
207	0.1658	259	0.2158	341	-0.0202
208	0.2608	260	0.2948	350	-0.0172
210	0.6968	261	0.3218	351	-0.0132
211	0.5888	262	0.2978	352	-0.0122
212	0.4278	263	0.0538	353	-0.0132
213	-0.3532	264	0.0668	354	-0.0142
214	-0.3292	265	0.3818	355	-0.0122
215	-0.3162	266	0.4558		
216	-0.2572	267	0.0118		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 343
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 15.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.002
TUNNEL DYNAMIC PRESSURE(PSF) = 701.
TUNNEL STAGNATION PRESSURE(PSF) = 1892.
TUNNEL STATIC PRESSURE(PSF) = 998.
REYNOLDS NUMBER PER FOOT = 3.9890E 06
MODEL ANGLE OF ATTACK(DEG) = -8.07
FIN ANGLE(DEG) = -0.15
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 544.

SCANIVALE	CP(REF)
147	0.8773
247	0.8763
347	0.8773
447	0.8773
547	0.8773
647	0.8773
747	0.8763

ORF	CP	ORF	CP	ORF	CP
1	0.3473	52	0.1083	102	-0.1477
2	0.0773	53	-0.1727	103	-0.5477
3	0.1213	54	-0.1277	104	-0.5137
4	0.1933	55	0.4933	105	-0.3607
5	0.2323	56	0.4283	110	-0.2177
6	0.2563	57	0.3943	111	-0.2507
7	0.2673	58	0.3563	112	-0.1587
8	0.2703	59	0.3213	113	-0.1567
9	0.2653	60	0.2743	114	-0.2837
10	0.2583	61	0.2243	115	-0.1287
11	0.2443	62	0.1593	116	-0.0427
12	0.2233	63	0.0643	117	-0.0017
13	0.1803	64	-0.3727	118	0.0013
14	0.0083	65	-0.1797	119	-0.0087
15	-0.0707	66	0.4873	120	0.0083
16	0.2993	67	0.4133	121	0.0083
17	0.2833	68	0.3573	122	-0.1727
18	0.2893	69	0.3063	123	-0.3037
19	0.2923	70	0.2563	124	-0.1037
20	0.2973	71	0.2063	125	-0.0667
21	0.2963	72	0.1283	126	-0.0087
22	0.2913	73	0.0053	127	-0.0417
23	0.2813	74	-0.2607	128	-0.3037
24	0.2663	75	0.4643	129	-0.2137
25	0.2483	76	0.3753	135	0.0023
26	0.2173	77	0.3053	136	-0.0007
27	0.1613	78	0.2363	137	-0.0007
28	0.0003	79	0.1633	138	0.1433
29	-0.1027	80	0.0723	139	0.1463
30	0.4013	81	-0.0967	140	0.1453
32	0.3543	82	-0.3757	141	0.1993
33	0.3433	83	0.3823	142	0.2003
34	0.3273	84	0.3183	143	0.1983
35	0.3143	85	0.2153	145	-0.0027
36	0.3003	86	0.1183	147	0.1983
37	0.2793	87	0.0253	151	0.0893
38	0.2563	88	-0.1087	152	-0.2057
39	0.2153	89	-0.4087	153	-0.2157
40	0.1533	90	0.2983	154	-0.3217
41	0.0093	91	0.1173	155	0.0783
42	-0.1227	92	0.0313	156	0.2063
43	0.4703	93	-0.0437	157	0.0043
44	0.4123	94	-0.1417	158	0.5163
45	0.3883	95	-0.4357	159	0.3253
46	0.3683	96	-0.6737	160	0.2943
47	0.3423	97	-0.3767	161	0.1633
48	0.3113	98	-0.5057	162	0.5073
49	0.2783	99	-0.4987	163	0.3713
50	0.2413	100	-0.4627	164	0.1473
51	0.1863	101	-0.1877	165	0.0783

ORF	CP	ORF	CP	ORF	CP
166	0.3933	217	-0.0867	268	-0.0647
167	0.3283	218	0.0883	269	0.2973
168	0.2653	219	0.1963	270	0.3943
169	0.0843	220	0.1683	271	-0.1587
170	0.4043	221	-0.4087	272	-0.1757
171	0.1793	222	-0.2637	273	0.2923
172	-0.0707	223	0.1393	274	0.3863
173	0.1213	224	0.1323	275	0.4783
174	0.0113	225	0.4833	276	0.5283
175	-0.2357	226	0.3143	277	0.4053
176	-0.3717	227	-0.4537	278	-0.3417
177	-0.1717	228	-0.4437	279	-0.2477
178	-0.3307	229	-0.4117	280	-0.0907
179	-0.3257	230	-0.3207	281	0.1123
180	-0.2807	231	-0.0757	282	0.2293
181	0.4443	232	0.0983	283	0.2533
182	0.5983	233	0.1883	284	0.2613
183	0.3703	234	0.1763	285	0.1953
184	0.5733	235	-0.0437	286	-0.1767
185	0.6963	236	-0.1377	287	-0.1997
186	0.8203	237	0.0183	288	0.2423
187	0.9783	238	0.0993	289	0.3033
188	1.0823	239	0.5373	290	0.3483
189	1.1333	240	0.4263	291	-0.9497
190	-0.2407	241	-0.4717	292	-0.1307
191	-0.2447	242	-0.4467	325	0.0163
192	-0.2557	244	-0.2357	326	0.0163
193	-0.2537	245	0.0293	327	0.0173
194	-0.2427	246	0.1453	328	0.0173
195	-0.2567	247	0.2003	329	0.0123
196	-0.2827	248	0.2013	330	0.0143
197	-0.2577	249	0.1573	331	0.0183
198	-0.2667	250	0.0133	332	0.0183
199	-0.2687	251	-0.2547	333	0.0173
200	-0.2507	252	0.0203	334	0.0143
201	-0.2407	253	0.5383	335	0.0153
202	-0.2547	254	0.3803	336	0.0133
203	-0.2557	255	-0.3497	337	0.0163
204	-0.2417	256	-0.3347	338	0.0173
205	0.2723	257	-0.2917	339	0.0183
206	0.3133	258	-0.1407	340	0.0173
207	0.3103	259	0.1073	341	0.0123
208	0.3653	260	0.1993	350	-0.0157
210	0.6213	261	0.2323	351	0.0123
211	0.5233	262	0.2153	352	0.0153
212	0.3643	263	-0.0157	353	0.0163
213	-0.4657	264	0.0083	354	0.0143
214	-0.4407	265	0.2973	355	0.0133
215	-0.4167	266	0.3573		
216	-0.3377	267	-0.0537		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 344
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 15.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.002
TUNNEL DYNAMIC PRESSURE(PSF) = 701.
TUNNEL STAGNATION PRESSURE(PSF) = 1892.
TUNNEL STATIC PRESSURE(PSF) = 997.
REYNOLDS NUMBER PER FOOT = 3.9910E 06
MODEL ANGLE OF ATTACK(DEG) = -6.01
FIN ANGLE(DEG) = -0.32
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 544.

SCANIVALE	CP(REF)
147	0.8777
247	0.8767
347	0.8767
447	0.8777
547	0.8767
647	0.8767
747	0.8767

ORF	CP	ORF	CP	ORF	CP
1	0.2627	52	0.0717	102	-0.1733
2	0.0267	53	-0.1983	103	-0.5733
3	0.0637	54	-0.1863	104	-0.5293
4	0.1277	55	0.4217	105	-0.3613
5	0.1737	56	0.3687	110	-0.2193
6	0.1877	57	0.3377	111	-0.2653
7	0.1987	58	0.2997	112	-0.1783
8	0.2047	59	0.2647	113	-0.1843
9	0.2027	60	0.2247	114	-0.2683
10	0.1997	61	0.1787	115	-0.1513
11	0.1887	62	0.1217	116	-0.0753
12	0.1697	63	0.0317	117	-0.0273
13	0.1267	64	-0.4013	118	-0.0183
14	-0.0313	65	-0.2983	119	-0.0163
15	-0.0983	66	0.4187	120	0.0197
16	0.2217	67	0.3487	121	0.0207
17	0.2027	68	0.2977	122	-0.0763
18	0.2117	69	0.2517	123	-0.2743
19	0.2187	70	0.2137	124	-0.0763
20	0.2277	71	0.1647	125	-0.0543
21	0.2267	72	0.0937	126	0.0027
22	0.2247	73	-0.0203	127	-0.0233
23	0.2167	74	-0.3803	128	-0.2893
24	0.2067	75	0.3957	129	-0.1873
25	0.1897	76	0.3187	135	0.0097
26	0.1627	77	0.2577	136	0.0117
27	0.1097	78	0.1967	137	0.0067
28	-0.0383	79	0.1257	138	0.1407
29	-0.1343	80	0.0377	139	0.1497
30	0.3137	81	-0.1213	140	0.1507
32	0.2807	82	-0.4203	141	0.1887
33	0.2687	83	0.3267	142	0.1877
34	0.2597	84	0.2627	143	0.1897
35	0.2487	85	0.1667	145	0.0097
36	0.2377	86	0.0777	147	0.1867
37	0.2207	87	-0.0063	151	0.0577
38	0.1987	88	-0.1263	152	-0.2153
39	0.1607	89	-0.4243	153	-0.2253
40	0.1047	90	0.2407	154	-0.3073
41	-0.0283	91	0.0767	155	0.0607
42	-0.1583	92	0.0017	156	0.1507
43	0.3897	93	-0.0673	157	-0.0343
44	0.3447	94	-0.1593	158	0.4567
45	0.3227	95	-0.4593	159	0.2787
46	0.3007	96	-0.6223	160	0.2427
47	0.2777	97	-0.4103	161	0.1177
48	0.2547	98	-0.2843	162	0.4187
49	0.2247	99	-0.3593	163	0.3057
50	0.1927	100	-0.3323	164	0.1437
51	0.1437	101	-0.2143	165	0.0287

ORF	CP	ORF	CP	ORF	CP
166	0.3497	217	-0.1113	268	-0.0743
167	0.2757	218	0.0507	269	0.2557
168	0.2067	219	0.1577	270	0.3507
169	0.0407	220	0.1347	271	-0.1803
170	0.3367	221	-0.4313	272	-0.1733
171	0.1607	222	-0.2843	273	0.2637
172	-0.0873	223	0.1147	274	0.3317
173	0.1207	224	0.1087	275	0.4487
174	-0.0063	225	0.4427	276	0.4397
175	-0.2103	226	0.2787	277	0.3227
176	-0.3503	227	-0.5003	278	-0.3343
177	-0.1903	228	-0.4923	279	-0.2723
178	-0.3303	229	-0.4593	280	-0.1303
179	-0.2993	230	-0.3463	281	0.0587
180	-0.2733	231	-0.1043	282	0.1727
181	0.3787	232	0.0597	283	0.1927
182	0.5307	233	0.1487	284	0.2057
183	0.4257	234	0.1387	285	0.1407
184	0.6047	235	-0.0713	286	-0.1993
185	0.7167	236	-0.1633	287	-0.2083
186	0.8367	237	-0.0063	288	0.2337
187	0.9457	238	0.0717	289	0.2727
188	1.0517	239	0.4887	290	0.2967
189	1.0987	240	0.3837	291	-0.6263
190	-0.2423	241	-0.5073	292	-0.0953
191	-0.2353	242	-0.4803	325	0.0227
192	-0.2563	244	-0.2803	326	0.0207
193	-0.2593	245	-0.0173	327	0.0217
194	-0.2443	246	0.1027	328	0.0227
195	-0.2453	247	0.1567	329	0.0237
196	-0.2653	248	0.1597	330	0.0197
197	-0.2493	249	0.1237	331	0.0217
198	-0.2563	250	0.0247	332	0.0227
199	-0.2573	251	-0.2373	333	0.0237
200	-0.2463	252	-0.0053	334	0.0247
201	-0.2413	253	0.4467	335	0.0207
202	-0.2503	254	0.3057	336	0.0207
203	-0.2463	255	-0.4103	337	0.0237
204	-0.2423	256	-0.3593	338	0.0207
205	0.3087	257	-0.3123	339	0.0227
206	0.3417	258	-0.1503	340	0.0237
207	0.3407	259	0.0747	341	0.0237
208	0.3687	260	0.1457	350	-0.0193
210	0.5737	261	0.1787	351	0.0207
211	0.4877	262	0.1657	352	0.0247
212	0.3327	263	-0.0423	353	0.0267
213	-0.5573	264	-0.0113	354	0.0267
214	-0.5103	265	0.2517	355	0.0277
215	-0.4703	266	0.3037		
216	-0.3643	267	-0.0813		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 345

TUNNEL = 11

TEST NO. = 086

TEST PHASE = 2

RUN NUMBER = 15.

CONFIGURATION NO. = 3.

ANGLE OF MODEL ROLL(DEG) = 0.

MACH NUMBER = 1.004

TUNNEL DYNAMIC PRESSURE(PSF) = 702.

TUNNEL STAGNATION PRESSURE(PSF) = 1892.

TUNNEL STATIC PRESSURE(PSF) = 995.

REYNOLDS NUMBER PER FOOT = 3.9930E 06

MODEL ANGLE OF ATTACK(DEG) = -3.95

FIN ANGLE(DEG) = -0.57

FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 544.

SCANIVALE CP(REF)

147 0.8786

247 0.8786

347 0.8786

447 0.8796

547 0.8806

647 0.8796

747 0.8796

ORF	CP	ORF	CP	ORF	CP
1	0.1886	52	0.0356	102	-0.1834
2	-0.0934	53	-0.2204	103	-0.5854
3	-0.0724	54	-0.2434	104	-0.5474
4	0.0266	55	0.3406	105	-0.3674
5	0.0946	56	0.2946	110	-0.2284
6	0.1296	57	0.2686	111	-0.2674
7	0.1416	58	0.2376	112	-0.1924
8	0.1486	59	0.2086	113	-0.1974
9	0.1516	60	0.1746	114	-0.2534
10	0.1456	61	0.1336	115	-0.1764
11	0.1346	62	0.0826	116	-0.1034
12	0.1176	63	-0.0004	117	-0.0504
13	0.0816	64	-0.4194	118	-0.0364
14	-0.0664	65	-0.3504	119	-0.0254
15	-0.1284	66	0.3416	120	0.0306
16	0.1056	67	0.2816	121	0.0306
17	0.0996	68	0.2386	122	-0.0364
18	0.1266	69	0.1976	123	-0.2584
19	0.1466	70	0.1566	124	-0.0904
20	0.1586	71	0.1126	125	-0.0444
21	0.1646	72	0.0526	126	0.0046
22	0.1646	73	-0.0464	127	-0.0164
23	0.1606	74	-0.4174	128	-0.2894
24	0.1506	75	0.3276	129	-0.1794
25	0.1386	76	0.2616	135	0.0196
26	0.1136	77	0.2076	136	0.0176
27	0.0626	78	0.1506	137	0.0156
28	-0.0734	79	0.0856	138	0.1456
29	-0.1534	80	0.0086	139	0.1466
30	0.2146	81	-0.1364	140	0.1466
32	0.2006	82	-0.4394	141	0.1916
33	0.2036	83	0.2646	142	0.1906
34	0.1956	84	0.2046	143	0.1926
35	0.1856	85	0.1196	145	0.0096
36	0.1806	86	0.0426	147	0.1926
37	0.1636	87	-0.0234	151	0.0146
38	0.1416	88	-0.1264	152	-0.2104
39	0.1126	89	-0.4354	153	-0.2374
40	0.0586	90	0.1776	154	-0.3084
41	-0.0644	91	0.0386	155	0.0816
42	-0.1804	92	-0.0124	156	0.1096
43	0.3096	93	-0.0634	157	-0.0634
44	0.2696	94	-0.1444	158	0.4426
45	0.2486	95	-0.4194	159	0.2326
46	0.2346	96	-0.4644	160	0.2016
47	0.2166	97	-0.4114	161	0.0896
48	0.1976	98	0.0176	162	0.3706
49	0.1716	99	-0.0624	163	0.2646
50	0.1416	100	-0.1764	164	0.1536
51	0.0996	101	-0.2274	165	0.0006

ORF	CP	ORF	CP	ORF	CP
166	0.3556	217	-0.1094	268	-0.0814
167	0.2566	218	0.0366	269	0.2276
168	0.1856	219	0.1226	270	0.3356
169	0.0336	220	0.1016	271	-0.1934
170	0.2836	221	-0.4444	272	-0.1724
171	0.1706	222	-0.3014	273	0.2506
172	-0.0754	223	0.0946	274	0.3056
173	0.1106	224	0.0896	275	0.4526
174	-0.0144	225	0.4026	276	0.3946
175	-0.1944	226	0.2466	277	0.2546
176	-0.3314	227	-0.5434	278	-0.4084
177	-0.2224	228	-0.5214	279	-0.3814
178	-0.3504	229	-0.4814	280	-0.3124
179	-0.3034	230	-0.3534	281	-0.1114
180	-0.2634	231	-0.1134	282	0.0876
181	0.3286	232	0.0336	283	0.1306
182	0.4786	233	0.1116	284	0.1536
183	0.4486	234	0.1056	285	0.0966
184	0.6166	235	-0.0994	286	-0.2104
185	0.6946	236	-0.1874	287	-0.2214
186	0.8236	237	-0.0264	288	0.2176
187	0.9446	238	0.0526	289	0.2756
188	1.0246	239	0.4316	290	0.2506
189	1.0626	240	0.3306	291	-0.5144
190	-0.2424	241	-0.5144	292	-0.0444
191	-0.2294	242	-0.4944	325	0.0356
192	-0.2504	244	-0.3024	326	0.0356
193	-0.2584	245	-0.0424	327	0.0366
194	-0.2284	246	0.0666	328	0.0356
195	-0.2344	247	0.1166	329	0.0376
196	-0.2614	248	0.1196	330	0.0376
197	-0.2394	249	0.0856	331	0.0356
198	-0.2414	250	0.0346	332	0.0366
199	-0.2454	251	-0.2394	333	0.0356
200	-0.2324	252	-0.0274	334	0.0376
201	-0.2184	253	0.3666	335	0.0376
202	-0.2334	254	0.2226	336	0.0346
203	-0.2304	255	-0.3964	337	0.0356
204	-0.2314	256	-0.3754	338	0.0356
205	0.3236	257	-0.3304	339	0.0356
206	0.3606	258	-0.1954	340	0.0336
207	0.3606	259	0.0286	341	0.0376
208	0.3756	260	0.0956	350	-0.0304
210	0.5246	261	0.1246	351	0.0346
211	0.4526	262	0.1156	352	0.0386
212	0.2976	263	-0.0644	353	0.0386
213	-0.6154	264	-0.0224	354	0.0346
214	-0.5634	265	0.2196	355	0.0346
215	-0.5084	266	0.2756		
216	-0.3734	267	-0.1054		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 346
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 15.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.004
TUNNEL DYNAMIC PRESSURE(PSF) = 702.
TUNNEL STAGNATION PRESSURE(PSF) = 1893.
TUNNEL STATIC PRESSURE(PSF) = 996.
REYNOLDS NUMBER PER FOOT = 3.9950E 06
MODEL ANGLE OF ATTACK(DEG) = -1.94
FIN ANGLE(DEG) = -0.69
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 544.

SCANIVALE	CP(REF)
147	0.8772
247	0.8762
347	0.8772
447	0.8772
547	0.8792
647	0.8792
747	0.8782

ORF	CP	ORF	CP	ORF	CP
1	0.1332	52	-0.0068	102	-0.2048
2	-0.2128	53	-0.2458	103	-0.5898
3	-0.2298	54	-0.3078	104	-0.5678
4	-0.1398	55	0.2432	105	-0.3758
5	-0.0318	56	0.2052	110	-0.2418
6	0.0382	57	0.1852	111	-0.2728
7	0.0772	58	0.1642	112	-0.1958
8	0.0882	59	0.1452	113	-0.2128
9	0.0972	60	0.1182	114	-0.2478
10	0.0952	61	0.0822	115	-0.1848
11	0.0882	62	0.0402	116	-0.1208
12	0.0712	63	-0.0308	117	-0.0738
13	0.0372	64	-0.4408	118	-0.0748
14	-0.1038	65	-0.4058	119	-0.0558
15	-0.1688	66	0.2462	120	0.0362
16	-0.0378	67	0.1972	121	0.0362
17	-0.0408	68	0.1652	122	-0.1648
18	0.0042	69	0.1362	123	-0.2588
19	0.0432	70	0.1032	124	-0.0878
20	0.0742	71	0.0662	125	-0.0478
21	0.0972	72	0.0132	126	0.0072
22	0.1052	73	-0.0798	127	-0.0218
23	0.1032	74	-0.4468	128	-0.2858
24	0.0972	75	0.2332	129	-0.1768
25	0.0872	76	0.1882	135	0.0232
26	0.0652	77	0.1422	136	0.0212
27	0.0182	78	0.0952	137	0.0192
28	-0.1178	79	0.0382	138	0.1502
29	-0.1898	80	-0.0288	139	0.1532
30	0.0772	81	-0.1588	140	0.1502
32	0.1162	82	-0.4628	141	0.1912
33	0.1222	83	0.1832	142	0.1932
34	0.1222	84	0.1362	143	0.1942
35	0.1242	85	0.0612	145	0.0162
36	0.1202	86	0.0062	147	0.1942
37	0.1092	87	-0.0528	151	-0.0118
38	0.0922	88	-0.1478	152	-0.2218
39	0.0662	89	-0.3958	153	-0.2618
40	0.0142	90	0.0972	154	-0.3218
41	-0.1038	91	0.0142	155	0.0922
42	-0.2188	92	-0.0268	156	0.0872
43	0.2052	93	-0.0738	157	-0.0828
44	0.1782	94	-0.1468	158	0.4252
45	0.1732	95	-0.3988	159	0.2332
46	0.1612	96	-0.5668	160	0.1882
47	0.1512	97	-0.4218	161	0.0712
48	0.1372	98	0.0652	162	0.3602
49	0.1172	99	0.0232	163	0.2562
50	0.0882	100	-0.1728	164	0.1512
51	0.0492	101	-0.2368	165	-0.0138

ORF	CP	ORF	CP	ORF	CP
166	0.3852	217	-0.0958	268	-0.1048
167	0.2602	218	0.0192	269	0.2012
168	0.1892	219	0.0832	270	0.2972
169	0.0502	220	0.0632	271	-0.2128
170	0.2442	221	-0.4688	272	-0.1988
171	0.1852	222	-0.3338	273	0.2142
172	-0.0708	223	0.0702	274	0.2822
173	0.0982	224	0.0622	275	0.4602
174	-0.0258	225	0.3592	276	0.3692
175	-0.1898	226	0.2062	277	0.2262
176	-0.3348	227	-0.5578	278	-0.5108
177	-0.2368	228	-0.5428	279	-0.4878
178	-0.3808	229	-0.4878	280	-0.4528
179	-0.3218	230	-0.3598	281	-0.3108
180	-0.2588	231	-0.1048	282	-0.0618
181	0.3112	232	0.0122	283	0.0502
182	0.4602	233	0.0722	284	0.1022
183	0.4352	234	0.0642	285	0.0572
184	0.6042	235	-0.1338	286	-0.2268
185	0.6792	236	-0.2218	287	-0.2558
186	0.7882	237	-0.0458	288	0.1952
187	0.9072	238	0.0262	289	0.2672
188	0.9772	239	0.3622	290	0.2242
189	1.0372	240	0.2562	291	-0.4398
190	-0.2518	241	-0.5198	292	0.0062
191	-0.2488	242	-0.5078	325	0.0362
192	-0.2618	244	-0.3018	326	0.0402
193	-0.2648	245	-0.0618	327	0.0402
194	-0.2368	246	0.0252	328	0.0392
195	-0.2468	247	0.0682	329	0.0392
196	-0.2678	248	0.0722	330	0.0362
197	-0.2428	249	0.0422	331	0.0402
198	-0.2468	250	0.0402	332	0.0402
199	-0.2478	251	-0.2438	333	0.0402
200	-0.2468	252	-0.0548	334	0.0382
201	-0.2428	253	0.3422	335	0.0362
202	-0.2418	254	0.1902	336	0.0372
203	-0.2348	255	-0.4368	337	0.0362
204	-0.2358	256	-0.4418	338	0.0402
205	0.3332	257	-0.4248	339	0.0402
206	0.3792	258	-0.3238	340	0.0392
207	0.3722	259	-0.0888	341	0.0392
208	0.3702	260	0.0362	350	-0.0528
210	0.4732	261	0.0852	351	0.0332
211	0.4082	262	0.0782	352	0.0412
212	0.2612	263	-0.0968	353	0.0412
213	-0.6758	264	-0.0448	354	0.0392
214	-0.5968	265	0.1932	355	0.0392
215	-0.5318	266	0.2472		
216	-0.3538	267	-0.1288		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 347
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 15.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.003
TUNNEL DYNAMIC PRESSURE(PSF) = 702.
TUNNEL STAGNATION PRESSURE(PSF) = 1893.
TUNNEL STATIC PRESSURE(PSF) = 996.
REYNOLDS NUMBER PER FOOT = 3.9970E 06
MODEL ANGLE OF ATTACK(DEG) = 0.08
FIN ANGLE(DEG) = -0.67
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 544.

SCANIVALE	CP(REF)
147	0.8782
247	0.8782
347	0.8782
447	0.8792
547	0.8762
647	0.8752
747	0.8762

ORF	CP	ORF	CP	ORF	CP
1	0.1462	52	-0.0378	102	-0.1988
2	-0.2928	53	-0.2728	103	-0.5858
3	-0.3608	54	-0.3788	104	-0.5748
4	-0.2488	55	0.1552	105	-0.3728
5	-0.1368	56	0.1362	110	-0.2508
6	-0.0438	57	0.1242	111	-0.2658
7	0.0042	58	0.1082	112	-0.1998
8	0.0352	59	0.0882	113	-0.2328
9	0.0522	60	0.0652	114	-0.2458
10	0.0592	61	0.0402	115	-0.2028
11	0.0562	62	-0.0008	116	-0.1388
12	0.0422	63	-0.0648	117	-0.0898
13	0.0132	64	-0.4538	118	-0.0878
14	-0.1268	65	-0.4438	119	-0.0608
15	-0.1898	66	0.1552	120	0.0462
16	-0.1458	67	0.1322	121	0.0452
17	-0.1838	68	0.1102	122	-0.1228
18	-0.0718	69	0.0892	123	-0.2468
19	-0.0218	70	0.0572	124	-0.0568
20	0.0122	71	0.0202	125	-0.0418
21	0.0412	72	-0.0258	126	0.0112
22	0.0572	73	-0.1128	127	-0.0168
23	0.0642	74	-0.4688	128	-0.2388
24	0.0662	75	0.1482	129	-0.1598
25	0.0582	76	0.1102	135	0.0192
26	0.0372	77	0.0732	136	0.0172
27	-0.0058	78	0.0372	137	0.0132
28	-0.1408	79	-0.0078	138	0.1492
29	-0.2298	80	-0.0628	139	0.1532
30	-0.0288	81	-0.1918	140	0.1472
32	0.0402	82	-0.4838	141	0.1922
33	0.0582	83	0.1082	142	0.1942
34	0.0712	84	0.0762	143	0.1942
35	0.0742	85	0.0202	145	0.0202
36	0.0762	86	-0.0198	147	0.1932
37	0.0732	87	-0.0698	151	0.0092
38	0.0582	88	-0.1628	152	-0.2328
39	0.0322	89	-0.4978	153	-0.2628
40	-0.0058	90	0.0242	154	-0.3328
41	-0.1288	91	-0.0028	155	0.0832
42	-0.2778	92	-0.0398	156	0.0932
43	0.1172	93	-0.0808	157	-0.0818
44	0.1062	94	-0.1518	158	0.3912
45	0.1042	95	-0.4988	159	0.2532
46	0.1052	96	-0.3328	160	0.1922
47	0.0942	97	-0.4368	161	0.0732
48	0.0882	98	0.1052	162	0.3782
49	0.0742	99	0.0712	163	0.2812
50	0.0532	100	-0.1808	164	0.1522
51	0.0192	101	-0.2508	165	-0.0018

ORF	CP	ORF	CP	ORF	CP
166	0.4612	217	-0.0568	268	-0.1268
167	0.2752	218	0.0152	269	0.1812
168	0.2232	219	0.0502	270	0.2672
169	0.0812	220	0.0242	271	-0.2338
170	0.2522	221	-0.4738	272	-0.2208
171	0.1752	222	-0.3528	273	0.2012
172	-0.0778	223	0.0462	274	0.2642
173	0.0442	224	0.0362	275	0.4412
174	-0.0658	225	0.3182	276	0.3882
175	-0.2508	226	0.1702	277	0.2332
176	-0.3318	227	-0.5278	278	-0.6698
177	-0.2238	228	-0.4848	279	-0.6098
178	-0.3718	229	-0.4578	280	-0.5388
179	-0.3218	230	-0.3298	281	-0.4098
180	-0.2648	231	-0.0858	282	-0.1778
181	0.3132	232	-0.0008	283	-0.0368
182	0.4612	233	0.0392	284	0.0612
183	0.4462	234	0.0272	285	0.0322
184	0.6222	235	-0.1638	286	-0.2408
185	0.6952	236	-0.2428	287	-0.2618
186	0.7822	237	-0.0608	288	0.1742
187	0.8752	238	0.0052	289	0.2712
188	0.9072	239	0.3182	290	0.2062
189	0.9582	240	0.2102	291	-0.4338
190	-0.2548	241	-0.5318	292	0.0482
191	-0.2568	242	-0.5148	325	0.0452
192	-0.2578	244	-0.2898	326	0.0472
193	-0.2668	245	-0.0748	327	0.0452
194	-0.2548	246	-0.0078	328	0.0442
195	-0.2638	247	0.0312	329	0.0442
196	-0.2748	248	0.0422	330	0.0452
197	-0.2618	249	0.0112	331	0.0492
198	-0.2508	250	0.0492	332	0.0452
199	-0.2558	251	-0.2458	333	0.0452
200	-0.2588	252	-0.0538	334	0.0462
201	-0.2428	253	0.3382	335	0.0462
202	-0.2368	254	0.1932	336	0.0472
203	-0.2378	255	-0.5448	337	0.0452
204	-0.2368	256	-0.5498	338	0.0482
205	0.3162	257	-0.5148	339	0.0452
206	0.3492	258	-0.4238	340	0.0442
207	0.3432	259	-0.1938	341	0.0452
208	0.3452	260	-0.0288	350	-0.0598
210	0.4022	261	0.0542	351	0.0402
211	0.3572	262	0.0572	352	0.0462
212	0.2142	263	-0.1258	353	0.0472
213	-0.6278	264	-0.0628	354	0.0492
214	-0.5538	265	0.1852	355	0.0492
215	-0.4698	266	0.2252		
216	-0.2608	267	-0.1558		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 348
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 15.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.005
TUNNEL DYNAMIC PRESSURE(PSF) = 703.
TUNNEL STAGNATION PRESSURE(PSF) = 1892.
TUNNEL STATIC PRESSURE(PSF) = 994.
REYNOLDS NUMBER PER FOOT = 3.9980E 06
MODEL ANGLE OF ATTACK(DEG) = 2.00
FIN ANGLE(DEG) = -0.53
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 544.

SCANIVALE	CP(REF)
147	0.8801
247	0.8801
347	0.8801
447	0.8801
547	0.8801
647	0.8801
747	0.8801

ORF	CP	ORF	CP	ORF	CP
1	0.0971	52	-0.1049	102	-0.2149
2	-0.3099	53	-0.3229	103	-0.6229
3	-0.3489	54	-0.3239	104	-0.5929
4	-0.2349	55	0.0381	105	-0.4129
5	-0.1319	56	0.0381	110	-0.2449
6	-0.0639	57	0.0421	111	-0.2459
7	-0.0309	58	0.0281	112	-0.1949
8	-0.0039	59	0.0181	113	-0.2369
9	0.0041	60	0.0011	114	-0.2359
10	0.0081	61	-0.0239	115	-0.2119
11	0.0051	62	-0.0619	116	-0.1509
12	-0.0069	63	-0.1259	117	-0.0919
13	-0.0379	64	-0.4759	118	-0.0899
14	-0.1679	65	-0.4429	119	-0.0519
15	-0.2199	66	0.0271	120	0.0501
16	-0.1559	67	0.0361	121	0.0471
17	-0.1939	68	0.0261	122	-0.0459
18	-0.1319	69	0.0111	123	-0.2289
19	-0.0689	70	-0.0109	124	-0.0499
20	-0.0359	71	-0.0399	125	-0.0369
21	-0.0109	72	-0.0819	126	0.0091
22	0.0061	73	-0.1619	127	-0.0079
23	0.0091	74	-0.4839	128	-0.2129
24	0.0121	75	0.0151	129	-0.1469
25	0.0011	76	0.0221	135	0.0181
26	-0.0179	77	-0.0019	136	0.0191
27	-0.0579	78	-0.0309	137	0.0171
28	-0.1879	79	-0.0709	138	0.1531
29	-0.2399	80	-0.0979	139	0.1531
30	-0.1009	81	-0.2169	140	0.1511
32	-0.0279	82	-0.4929	141	0.1961
33	-0.0079	83	0.0181	142	0.1971
34	0.0041	84	-0.0099	143	0.1961
35	0.0151	85	-0.0519	145	0.0191
36	0.0151	86	-0.0579	147	0.1951
37	0.0141	87	-0.0999	151	0.0111
38	0.0001	88	-0.1879	152	-0.2179
39	-0.0269	89	-0.5029	153	-0.2409
40	-0.0699	90	-0.0739	154	-0.2819
41	-0.1859	91	-0.0349	155	0.0361
42	-0.2619	92	-0.0719	156	0.0731
43	-0.0009	93	-0.1069	157	-0.0899
44	0.0181	94	-0.1749	158	0.2941
45	0.0241	95	-0.4979	159	0.1781
46	0.0271	96	-0.2649	160	0.1141
47	0.0271	97	-0.4109	161	0.0031
48	0.0201	98	0.1161	162	0.2901
49	0.0101	99	0.0831	163	0.1951
50	-0.0119	100	-0.2219	164	0.1581
51	-0.0469	101	-0.2529	165	-0.0539

ORF	CP	ORF	CP	ORF	CP
166	0.4071	217	-0.0599	268	-0.1199
167	0.1851	218	-0.0079	269	0.1531
168	0.1481	219	0.0141	270	0.2191
169	0.0281	220	-0.0149	271	-0.2499
170	0.2641	221	-0.4509	272	-0.1899
171	0.1071	222	-0.3709	273	0.1781
172	-0.1179	223	0.0191	274	0.2171
173	0.0071	224	0.0091	275	0.3891
174	-0.0809	225	0.2891	276	0.3441
175	-0.2619	226	0.1411	277	0.1861
176	-0.3059	227	-0.5179	278	-0.7059
177	-0.2029	228	-0.4949	279	-0.6479
178	-0.3219	229	-0.4569	280	-0.5859
179	-0.2759	230	-0.3229	281	-0.4229
180	-0.2529	231	-0.0989	282	-0.1699
181	0.2531	232	-0.0219	283	-0.0539
182	0.3921	233	0.0071	284	0.0121
183	0.4101	234	-0.0019	285	-0.0119
184	0.5581	235	-0.1849	286	-0.2559
185	0.5831	236	-0.2439	287	-0.2679
186	0.6141	237	-0.0729	288	0.1631
187	0.6481	238	-0.0109	289	0.2281
188	0.6891	239	0.3041	290	0.1871
189	0.7171	240	0.2021	291	-0.4799
190	-0.2429	241	-0.6119	292	0.0811
191	-0.2519	242	-0.5869	325	0.0531
192	-0.2519	244	-0.3499	326	0.0501
193	-0.2619	245	-0.1329	327	0.0501
194	-0.2439	246	-0.0399	328	0.0491
195	-0.2469	247	0.0031	329	0.0501
196	-0.2649	248	0.0121	330	0.0491
197	-0.2399	249	-0.0129	331	0.0511
198	-0.2429	250	0.0521	332	0.0511
199	-0.2429	251	-0.2249	333	0.0501
200	-0.2429	252	-0.0609	334	0.0511
201	-0.2299	253	0.3401	335	0.0501
202	-0.2319	254	0.1991	336	0.0521
203	-0.2319	255	-0.6679	337	0.0541
204	-0.2319	256	-0.6459	338	0.0491
205	0.2961	257	-0.5779	339	0.0501
206	0.3181	258	-0.4489	340	0.0501
207	0.3231	259	-0.2189	341	0.0511
208	0.3221	260	-0.0599	350	-0.0529
210	0.3381	261	0.0131	351	0.0471
211	0.3111	262	0.0171	352	0.0551
212	0.1691	263	-0.1569	353	0.0531
213	-0.6109	264	-0.0649	354	0.0531
214	-0.5019	265	0.1551	355	0.0551
215	-0.4369	266	0.1921		
216	-0.2459	267	-0.1899		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 349
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 15.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.005
TUNNEL DYNAMIC PRESSURE(PSF) = 702.
TUNNEL STAGNATION PRESSURE(PSF) = 1892.
TUNNEL STATIC PRESSURE(PSF) = 994.
REYNOLDS NUMBER PER FOOT = 3.9970E 06
MODEL ANGLE OF ATTACK(DEG) = 3.98
FIN ANGLE(DEG) = -0.32
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 544.

SCANIVALE	CP(REF)
147	0.8800
247	0.8780
347	0.8790
447	0.8790
547	0.8770
647	0.8780
747	0.8780

ORF	CP	ORF	CP	ORF	CP
1	0.0390	52	-0.1720	102	-0.2440
2	-0.3740	53	-0.3570	103	-0.6520
3	-0.3940	54	-0.3010	104	-0.6230
4	-0.2770	55	-0.3080	105	-0.4500
5	-0.1870	56	-0.1210	110	-0.2350
6	-0.1240	57	-0.0580	111	-0.2340
7	-0.0910	58	-0.0490	112	-0.1940
8	-0.0680	59	-0.0560	113	-0.2520
9	-0.0600	60	-0.0710	114	-0.2390
10	-0.0530	61	-0.0940	115	-0.2250
11	-0.0550	62	-0.1300	116	-0.1610
12	-0.0640	63	-0.1890	117	-0.1040
13	-0.0930	64	-0.4940	118	-0.0960
14	-0.2130	65	-0.4320	119	-0.0620
15	-0.2500	66	-0.3570	120	0.0430
16	-0.2090	67	-0.1800	121	0.0170
17	-0.2440	68	-0.0760	122	-0.0820
18	-0.1980	69	-0.0630	123	-0.2040
19	-0.1370	70	-0.0800	124	-0.0630
20	-0.1030	71	-0.1050	125	-0.0350
21	-0.0790	72	-0.1450	126	0.0050
22	-0.0670	73	-0.2180	127	-0.0290
23	-0.0590	74	-0.5040	128	-0.2370
24	-0.0590	75	-0.3900	129	-0.1480
25	-0.0640	76	-0.2330	135	0.0070
26	-0.0810	77	-0.1120	136	0.0110
27	-0.1270	78	-0.0940	137	0.0080
28	-0.2360	79	-0.1230	138	0.1500
29	-0.2690	80	-0.1610	139	0.1500
30	-0.1870	81	-0.2610	140	0.1460
32	-0.1180	82	-0.4930	141	0.1960
33	-0.0930	83	-0.3400	142	0.1950
34	-0.0770	84	-0.2770	143	0.1920
35	-0.0660	85	-0.1640	145	0.0120
36	-0.0600	86	-0.1270	147	0.1940
37	-0.0640	87	-0.1290	151	-0.0060
38	-0.0750	88	-0.2130	152	-0.2260
39	-0.0980	89	-0.4960	153	-0.2430
40	-0.1420	90	-0.4200	154	-0.2530
41	-0.2400	91	-0.2770	155	-0.0410
42	-0.2730	92	-0.1600	156	0.0310
43	-0.2320	93	-0.1440	157	-0.1060
44	-0.0970	94	-0.2110	158	0.2040
45	-0.0630	95	-0.4850	159	0.1060
46	-0.0510	96	-0.2250	160	0.0410
47	-0.0500	97	-0.3650	161	-0.0680
48	-0.0530	98	0.1370	162	0.2070
49	-0.0670	99	0.1060	163	0.1130
50	-0.0880	100	-0.2660	164	0.1530
51	-0.1200	101	-0.2850	165	-0.0980

ORF	CP	ORF	CP	ORF	CP
166	0.3330	217	-0.1230	268	-0.1360
167	0.1340	218	-0.0560	269	0.0990
168	0.1040	219	-0.0250	270	0.1480
169	-0.0040	220	-0.0490	271	-0.2620
170	0.1710	221	-0.4800	272	-0.1960
171	0.0780	222	-0.4100	273	0.1210
172	-0.1140	223	-0.0130	274	0.1520
173	0.0000	224	-0.0200	275	0.3450
174	-0.0880	225	0.2560	276	0.2820
175	-0.2260	226	0.1170	277	0.1250
176	-0.2770	227	-0.6100	278	-0.7490
177	-0.2140	228	-0.5890	279	-0.6840
178	-0.3090	229	-0.5350	280	-0.6160
179	-0.2650	230	-0.4030	281	-0.4520
180	-0.2450	231	-0.1580	282	-0.2130
181	0.1880	232	-0.0730	283	-0.1100
182	0.3260	233	-0.0330	284	-0.0500
183	0.3370	234	-0.0390	285	-0.0750
184	0.4530	235	-0.2160	286	-0.2750
185	0.4720	236	-0.2640	287	-0.2660
186	0.4880	237	-0.0980	288	0.1170
187	0.5370	238	-0.0360	289	0.1700
188	0.6470	239	0.3120	290	0.1330
189	0.6880	240	0.2060	291	-0.4720
190	-0.2430	241	-0.8060	292	0.1170
191	-0.2470	242	-0.7260	325	0.0510
192	-0.2450	244	-0.4620	326	0.0520
193	-0.2570	245	-0.2050	327	0.0530
194	-0.2560	246	-0.0970	328	0.0510
195	-0.2460	247	-0.0430	329	0.0510
196	-0.2640	248	-0.0280	330	0.0470
197	-0.2460	249	-0.0500	331	0.0520
198	-0.2440	250	0.0510	332	0.0540
199	-0.2380	251	-0.2250	333	0.0510
200	-0.2450	252	-0.0910	334	0.0520
201	-0.2350	253	0.3150	335	0.0470
202	-0.2320	254	0.1710	336	0.0500
203	-0.2330	255	-0.8470	337	0.0510
204	-0.2340	256	-0.7470	338	0.0520
205	0.2790	257	-0.6600	339	0.0530
206	0.3070	258	-0.5050	340	0.0510
207	0.3030	259	-0.2510	341	0.0510
208	0.3030	260	-0.1180	350	-0.0690
210	0.3110	261	-0.0470	351	0.0410
211	0.2800	262	-0.0390	352	0.0490
212	0.1330	263	-0.2020	353	0.0530
213	-0.6790	264	-0.1010	354	0.0520
214	-0.5740	265	0.1100	355	0.0540
215	-0.5230	266	0.1390		
216	-0.3240	267	-0.2250		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 350
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 15.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.003
TUNNEL DYNAMIC PRESSURE(PSF) = 701.
TUNNEL STAGNATION PRESSURE(PSF) = 1892.
TUNNEL STATIC PRESSURE(PSF) = 996.
REYNOLDS NUMBER PER FOOT = 3.9910E 06
MODEL ANGLE OF ATTACK(DEG) = 5.98
FIN ANGLE(DEG) = -0.24
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 544.

SCANIVALE	CP(REF)
147	0.8802
247	0.8782
347	0.8792
447	0.8792
547	0.8782
647	0.8782
747	0.8782

ORF	CP	ORF	CP	ORF	CP
1	-0.0298	52	-0.2248	102	-0.2648
2	-0.4058	53	-0.3728	103	-0.6818
3	-0.4238	54	-0.3138	104	-0.6648
4	-0.3068	55	-0.5118	105	-0.4968
5	-0.2188	56	-0.3978	110	-0.2148
6	-0.1708	57	-0.2388	111	-0.2188
7	-0.1368	58	-0.1448	112	-0.1828
8	-0.1178	59	-0.1128	113	-0.2548
9	-0.1048	60	-0.1198	114	-0.2388
10	-0.1008	61	-0.1418	115	-0.2398
11	-0.0998	62	-0.1758	116	-0.1608
12	-0.1138	63	-0.2278	117	-0.1018
13	-0.1368	64	-0.5108	118	-0.1008
14	-0.2498	65	-0.4388	119	-0.0768
15	-0.2818	66	-0.5118	120	0.0452
16	-0.2768	67	-0.4678	121	0.0122
17	-0.2968	68	-0.3478	122	-0.0138
18	-0.2428	69	-0.2378	123	-0.1688
19	-0.1988	70	-0.1788	124	-0.0688
20	-0.1658	71	-0.1658	125	-0.0318
21	-0.1398	72	-0.1888	126	0.0032
22	-0.1208	73	-0.2548	127	-0.0268
23	-0.1148	74	-0.5118	128	-0.1968
24	-0.1148	75	-0.5188	129	-0.1268
25	-0.1178	76	-0.5068	135	0.0012
26	-0.1348	77	-0.4288	136	0.0102
27	-0.1718	78	-0.3058	137	0.0052
28	-0.2708	79	-0.2398	138	0.1492
29	-0.2908	80	-0.2348	139	0.1492
30	-0.2788	81	-0.3248	140	0.1512
32	-0.1808	82	-0.4878	141	0.2002
33	-0.1558	83	-0.4508	142	0.1982
34	-0.1408	84	-0.5228	143	0.1972
35	-0.1268	85	-0.4838	145	0.0022
36	-0.1198	86	-0.4008	147	0.1992
37	-0.1238	87	-0.2958	151	-0.0268
38	-0.1328	88	-0.2958	152	-0.2368
39	-0.1538	89	-0.4588	153	-0.2378
40	-0.1968	90	-0.5528	154	-0.2368
41	-0.2798	91	-0.5228	155	-0.0708
42	-0.2898	92	-0.4508	156	-0.0198
43	-0.4758	93	-0.3858	157	-0.1238
44	-0.2348	94	-0.3958	158	0.1372
45	-0.1258	95	-0.4608	159	0.0532
46	-0.1048	96	-0.2038	160	-0.0048
47	-0.1068	97	-0.3838	161	-0.0978
48	-0.1148	98	0.1692	162	0.1722
49	-0.1268	99	0.1472	163	0.0802
50	-0.1458	100	-0.3098	164	0.1522
51	-0.1788	101	-0.3068	165	-0.1078

ORF	CP	ORF	CP	ORF	CP
166	0.3032	217	-0.1808	268	-0.1788
167	0.1422	218	-0.0968	269	0.0482
168	0.1152	219	-0.0518	270	0.0932
169	0.0122	220	-0.0698	271	-0.2878
170	0.1212	221	-0.5038	272	-0.2268
171	0.0962	222	-0.4478	273	0.0732
172	-0.0968	223	-0.0398	274	0.1092
173	-0.0018	224	-0.0358	275	0.2802
174	-0.0958	225	0.2472	276	0.2252
175	-0.2118	226	0.1052	277	0.0702
176	-0.2808	227	-0.8088	278	-0.7618
177	-0.2388	228	-0.7508	279	-0.7108
178	-0.3378	229	-0.6558	280	-0.6108
179	-0.2778	230	-0.4838	281	-0.4378
180	-0.2278	231	-0.2278	282	-0.2498
181	0.1302	232	-0.1158	283	-0.1568
182	0.2472	233	-0.0628	284	-0.0998
183	0.3152	234	-0.0658	285	-0.1178
184	0.4342	235	-0.2478	286	-0.2928
185	0.4842	236	-0.2808	287	-0.2798
186	0.5192	237	-0.1138	288	0.0772
187	0.6132	238	-0.0388	289	0.1472
188	0.7382	239	0.3092	290	0.0852
189	0.8122	240	0.2032	291	-0.4508
190	-0.2318	241	-1.0568	292	0.1682
191	-0.2598	242	-0.9618	325	0.0522
192	-0.2578	244	-0.5688	326	0.0512
193	-0.2638	245	-0.2138	327	0.0472
194	-0.2618	246	-0.1178	328	0.0462
195	-0.2638	247	-0.0798	329	0.0492
196	-0.2568	248	-0.0588	330	0.0492
197	-0.2388	249	-0.0828	331	0.0532
198	-0.2458	250	0.0522	332	0.0492
199	-0.2418	251	-0.2278	333	0.0472
200	-0.2508	252	-0.1278	334	0.0492
201	-0.2378	253	0.2632	335	0.0512
202	-0.2338	254	0.1192	336	0.0542
203	-0.2398	255	-0.9488	337	0.0522
204	-0.2348	256	-0.8478	338	0.0512
205	0.2452	257	-0.7048	339	0.0472
206	0.2842	258	-0.5328	340	0.0482
207	0.2672	259	-0.2788	341	0.0492
208	0.2642	260	-0.1548	350	-0.0778
210	0.2972	261	-0.0998	351	0.0452
211	0.2672	262	-0.0908	352	0.0522
212	0.1262	263	-0.2448	353	0.0542
213	-0.7928	264	-0.1518	354	0.0522
214	-0.6898	265	0.0642	355	0.0502
215	-0.6108	266	0.0862		
216	-0.4138	267	-0.2588		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 351
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 15.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.998
TUNNEL DYNAMIC PRESSURE(PSF) = 698.
TUNNEL STAGNATION PRESSURE(PSF) = 1892.
TUNNEL STATIC PRESSURE(PSF) = 1002.
REYNOLDS NUMBER PER FOOT = 3.9850E 06
MODEL ANGLE OF ATTACK(DEG) = 7.92
FIN ANGLE(DEG) = -0.44
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 544.

SCANIVALE	CP(REF)
147	0.8755
247	0.8735
347	0.8735
447	0.8745
547	0.8735
647	0.8735
747	0.8735

ORF	CP	ORF	CP	ORF	CP
1	-0.1265	52	-0.2805	102	-0.3055
2	-0.4215	53	-0.3975	103	-0.7115
3	-0.3915	54	-0.3505	104	-0.7075
4	-0.2955	55	-0.6425	105	-0.5365
5	-0.2325	56	-0.5725	110	-0.2015
6	-0.1925	57	-0.3665	111	-0.2035
7	-0.1735	58	-0.2225	112	-0.1715
8	-0.1605	59	-0.1735	113	-0.2575
9	-0.1515	60	-0.1695	114	-0.2815
10	-0.1465	61	-0.1985	115	-0.2555
11	-0.1475	62	-0.2365	116	-0.1675
12	-0.1555	63	-0.2885	117	-0.1035
13	-0.1815	64	-0.5165	118	-0.1015
14	-0.2915	65	-0.4785	119	-0.0875
15	-0.3165	66	-0.6205	120	0.0315
16	-0.3235	67	-0.6255	121	0.0165
17	-0.3135	68	-0.5685	122	-0.0445
18	-0.2685	69	-0.4315	123	-0.2195
19	-0.2345	70	-0.3155	124	-0.0815
20	-0.2095	71	-0.2475	125	-0.0545
21	-0.1865	72	-0.2385	126	-0.0205
22	-0.1745	73	-0.2845	127	-0.0415
23	-0.1655	74	-0.5345	128	-0.2045
24	-0.1595	75	-0.5945	129	-0.1235
25	-0.1635	76	-0.6105	135	-0.0175
26	-0.1775	77	-0.6075	136	-0.0115
27	-0.2125	78	-0.5605	137	-0.0155
28	-0.3045	79	-0.4805	138	0.1415
29	-0.3275	80	-0.4275	139	0.1475
30	-0.3355	81	-0.4535	140	0.1435
32	-0.2225	82	-0.5325	141	0.1975
33	-0.2025	83	-0.5205	142	0.1965
34	-0.1945	84	-0.6235	143	0.1935
35	-0.1815	85	-0.6195	145	-0.0135
36	-0.1765	86	-0.6025	147	0.1965
37	-0.1785	87	-0.5355	151	-0.0675
38	-0.1845	88	-0.5205	152	-0.2205
39	-0.2035	89	-0.5315	153	-0.2245
40	-0.2415	90	-0.6515	154	-0.2125
41	-0.3155	91	-0.6165	155	-0.0805
42	-0.3295	92	-0.5835	156	-0.0665
43	-0.5365	93	-0.5845	157	-0.1515
44	-0.3235	94	-0.5995	158	0.0945
45	-0.2125	95	-0.5205	159	0.0035
46	-0.1815	96	-0.2125	160	-0.0375
47	-0.1745	97	-0.4355	161	-0.1055
48	-0.1755	98	0.1635	162	0.1565
49	-0.1865	99	0.1535	163	0.0605
50	-0.2085	100	-0.3395	164	0.1465
51	-0.2375	101	-0.3475	165	-0.1095

ORF	CP	ORF	CP	ORF	CP
166	0.3195	217	-0.2855	268	-0.2295
167	0.1705	218	-0.1275	269	-0.0025
168	0.1505	219	-0.0595	270	0.0415
169	0.0495	220	-0.0765	271	-0.3315
170	0.1665	221	-0.5525	272	-0.2735
171	0.1185	222	-0.5135	273	0.0305
172	-0.0955	223	-0.0785	274	0.0635
173	-0.0375	224	-0.0435	275	0.2035
174	-0.1275	225	0.2515	276	0.1425
175	-0.2805	226	0.1055	277	-0.0015
176	-0.2865	227	-1.1195	278	-0.7705
177	-0.2645	228	-1.0435	279	-0.7095
178	-0.3495	229	-0.9615	280	-0.5995
179	-0.2595	230	-0.7075	281	-0.4075
180	-0.2225	231	-0.2555	282	-0.2515
181	0.0675	232	-0.1215	283	-0.1935
182	0.1735	233	-0.0715	284	-0.1475
183	0.3445	234	-0.0705	285	-0.1635
184	0.4995	235	-0.2945	286	-0.3355
185	0.5645	236	-0.3075	287	-0.3285
186	0.6285	237	-0.1155	288	0.0255
187	0.7125	238	-0.0225	289	0.1145
188	0.8055	239	0.2635	290	0.0245
189	0.8605	240	0.1685	291	-0.4255
190	-0.2505	241	-1.1175	292	0.2135
191	-0.2785	242	-1.0235	325	0.0475
192	-0.2635	244	-0.7215	326	0.0465
193	-0.2845	245	-0.2425	327	0.0485
194	-0.2855	246	-0.1405	328	0.0465
195	-0.2805	247	-0.1115	329	0.0475
196	-0.2625	248	-0.0905	330	0.0455
197	-0.2525	249	-0.1185	331	0.0475
198	-0.2565	250	0.0465	332	0.0485
199	-0.2515	251	-0.2245	333	0.0465
200	-0.2665	252	-0.1665	334	0.0485
201	-0.2505	253	0.1835	335	0.0465
202	-0.2375	254	0.0475	336	0.0485
203	-0.2465	255	-0.9635	337	0.0475
204	-0.2515	256	-0.8525	338	0.0465
205	0.1965	257	-0.7365	339	0.0485
206	0.2255	258	-0.5265	340	0.0475
207	0.1985	259	-0.2865	341	0.0475
208	0.1935	260	-0.1935	350	-0.0915
210	0.2675	261	-0.1475	351	0.0365
211	0.2865	262	-0.1385	352	0.0455
212	0.1385	263	-0.2915	353	0.0475
213	-0.9265	264	-0.2115	354	0.0495
214	-0.8555	265	0.0035	355	0.0475
215	-0.7595	266	0.0285		
216	-0.5825	267	-0.2995		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 352
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 15.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.998
TUNNEL DYNAMIC PRESSURE(PSF) = 698.
TUNNEL STAGNATION PRESSURE(PSF) = 1891.
TUNNEL STATIC PRESSURE(PSF) = 1001.
REYNOLDS NUMBER PER FOOT = 3.9840E 06
MODEL ANGLE OF ATTACK(DEG) = 11.98
FIN ANGLE(DEG) = -0.58
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 544.

SCANIVALE	CP(REF)
147	0.8759
247	0.8739
347	0.8749
447	0.8759
547	0.8749
647	0.8749
747	0.8749

ORF	CP	ORF	CP	ORF	CP
1	-0.2131	52	-0.3331	102	-0.3441
2	-0.5261	53	-0.4531	103	-0.6871
3	-0.5111	54	-0.3911	104	-0.6641
4	-0.3761	55	-0.6761	105	-0.5421
5	-0.2951	56	-0.5451	110	-0.1461
6	-0.2481	57	-0.4011	111	-0.1541
7	-0.2261	58	-0.3201	112	-0.1181
8	-0.2141	59	-0.2861	113	-0.2371
9	-0.2041	60	-0.2901	114	-0.3251
10	-0.2001	61	-0.3031	115	-0.2611
11	-0.2011	62	-0.3311	116	-0.1331
12	-0.2091	63	-0.3741	117	-0.0731
13	-0.2331	64	-0.5311	118	-0.0741
14	-0.3411	65	-0.5241	119	-0.0991
15	-0.3641	66	-0.7381	120	0.0299
16	-0.4081	67	-0.7111	121	-0.0221
17	-0.3921	68	-0.6321	122	-0.0361
18	-0.3231	69	-0.5061	123	-0.2491
19	-0.2871	70	-0.4241	124	-0.0841
20	-0.2561	71	-0.3621	125	-0.0551
21	-0.2371	72	-0.3641	126	-0.0261
22	-0.2231	73	-0.4151	127	-0.0401
23	-0.2141	74	-0.5471	128	-0.1621
24	-0.2121	75	-0.7431	129	-0.1001
25	-0.2121	76	-0.7771	135	-0.0301
26	-0.2281	77	-0.7821	136	-0.0391
27	-0.2611	78	-0.7371	137	-0.0261
28	-0.3531	79	-0.6091	138	0.1239
29	-0.3721	80	-0.5591	139	0.1279
30	-0.4261	81	-0.5681	140	0.1259
32	-0.2671	82	-0.5771	141	0.2029
33	-0.2471	83	-0.6361	142	0.1939
34	-0.2371	84	-0.7921	143	0.1889
35	-0.2311	85	-0.7981	145	-0.0451
36	-0.2211	86	-0.8161	147	0.1939
37	-0.2271	87	-0.7751	151	-0.1391
38	-0.2301	88	-0.6991	152	-0.2461
39	-0.2501	89	-0.6221	153	-0.2261
40	-0.2851	90	-0.7711	154	-0.2321
41	-0.3621	91	-0.7781	155	-0.1011
42	-0.3661	92	-0.7791	156	-0.1261
43	-0.5381	93	-0.7861	157	-0.1791
44	-0.3621	94	-0.7681	158	0.1019
45	-0.2821	95	-0.6151	159	-0.0401
46	-0.2491	96	-0.2981	160	-0.0901
47	-0.2451	97	-0.4841	161	-0.1371
48	-0.2421	98	0.0829	162	0.1169
49	-0.2531	99	0.1379	163	0.0179
50	-0.2671	100	-0.3351	164	0.1299
51	-0.2931	101	-0.3811	165	-0.1211

ORF	CP	ORF	CP	ORF	CP
166	0.2659	217	-0.4081	268	-0.2661
167	0.0749	218	-0.2301	269	-0.0421
168	0.0559	219	-0.1091	270	0.0189
169	-0.0381	220	-0.1151	271	-0.3651
170	0.0269	221	-0.6021	272	-0.3041
171	-0.0131	222	-0.5671	273	-0.0071
172	-0.1571	223	-0.1501	274	0.0199
173	-0.0631	224	-0.0941	275	0.1889
174	-0.1341	225	0.2389	276	0.0629
175	-0.2061	226	0.1139	277	-0.0571
176	-0.2511	227	-1.0991	278	-0.8711
177	-0.3121	228	-1.0291	279	-0.8011
178	-0.3771	229	-0.9421	280	-0.7031
179	-0.2981	230	-0.7181	281	-0.5191
180	-0.2341	231	-0.4041	282	-0.3171
181	-0.0041	232	-0.1891	283	-0.2441
182	0.0979	233	-0.1221	284	-0.2001
183	0.2319	234	-0.0991	285	-0.2161
184	0.3619	235	-0.3631	286	-0.3651
185	0.3989	236	-0.3231	287	-0.3711
186	0.3939	237	-0.1301	288	-0.0251
187	0.4019	238	-0.0321	289	0.0729
188	0.4509	239	0.2049	290	-0.0391
189	0.4559	240	0.1069	291	-0.3481
190	-0.2641	241	-1.0681	292	0.2949
191	-0.2981	242	-1.0011	325	0.0449
192	-0.2871	244	-0.7511	326	0.0469
193	-0.2911	245	-0.3481	327	0.0489
194	-0.3231	246	-0.2101	328	0.0459
195	-0.3131	247	-0.1661	329	0.0479
196	-0.2871	248	-0.1451	330	0.0419
197	-0.2621	249	-0.1721	331	0.0469
198	-0.2681	250	0.0479	332	0.0489
199	-0.2741	251	-0.2301	333	0.0489
200	-0.2931	252	-0.2021	334	0.0489
201	-0.2741	253	0.0859	335	0.0429
202	-0.2461	254	-0.0501	336	0.0469
203	-0.2711	255	-0.8641	337	0.0459
204	-0.2781	256	-0.8021	338	0.0479
205	0.1089	257	-0.7361	339	0.0499
206	0.1389	258	-0.5751	340	0.0459
207	0.1059	259	-0.3481	341	0.0479
208	0.0649	260	-0.2541	350	-0.0981
210	0.1659	261	-0.2021	351	0.0379
211	0.2689	262	-0.1941	352	0.0499
212	0.1399	263	-0.3261	353	0.0479
213	-0.8871	264	-0.2531	354	0.0499
214	-0.7511	265	-0.0611	355	0.0479
215	-0.6711	266	-0.0231		
216	-0.5451	267	-0.3391		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 353
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 15.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.996
TUNNEL DYNAMIC PRESSURE(PSF) = 697.
TUNNEL STAGNATION PRESSURE(PSF) = 1891.
TUNNEL STATIC PRESSURE(PSF) = 1003.
REYNOLDS NUMBER PER FOOT = 3.9810E 06
MODEL ANGLE OF ATTACK(DEG) = 14.15
FIN ANGLE(DEG) = -0.67
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 544.

SCANIVALE	CP(REF)
147	0.8750
247	0.8730
347	0.8740
447	0.8740
547	0.8600
647	0.8600
747	0.8600

ORF	CP	ORF	CP	ORF	CP
1	-0.2240	52	-0.3540	102	-0.3770
2	-0.5810	53	-0.4880	103	-0.7390
3	-0.6440	54	-0.4230	104	-0.7090
4	-0.4610	55	-0.7020	105	-0.5880
5	-0.3420	56	-0.5930	110	-0.1170
6	-0.2910	57	-0.4530	111	-0.1330
7	-0.2600	58	-0.3680	112	-0.1010
8	-0.2460	59	-0.3310	113	-0.2360
9	-0.2330	60	-0.3110	114	-0.3840
10	-0.2310	61	-0.3210	115	-0.2680
11	-0.2280	62	-0.3550	116	-0.1100
12	-0.2340	63	-0.3950	117	-0.0690
13	-0.2560	64	-0.5680	118	-0.0720
14	-0.3630	65	-0.5450	119	-0.1230
15	-0.3950	66	-0.7520	120	-0.0000
16	-0.4870	67	-0.7200	121	-0.0700
17	-0.5150	68	-0.6310	122	-0.0840
18	-0.4230	69	-0.5400	123	-0.2290
19	-0.3380	70	-0.4860	124	-0.1130
20	-0.2880	71	-0.4230	125	-0.0960
21	-0.2680	72	-0.4140	126	-0.0630
22	-0.2550	73	-0.4560	127	-0.0900
23	-0.2420	74	-0.5870	128	-0.2030
24	-0.2350	75	-0.7740	129	-0.1190
25	-0.2410	76	-0.8090	135	-0.0750
26	-0.2520	77	-0.8160	136	-0.0710
27	-0.2790	78	-0.7210	137	-0.0720
28	-0.3810	79	-0.6430	138	0.0900
29	-0.4040	80	-0.5970	139	0.0900
30	-0.5490	81	-0.6070	140	0.0900
32	-0.3160	82	-0.6300	141	0.1990
33	-0.2770	83	-0.6720	142	0.1930
34	-0.2590	84	-0.8340	143	0.1750
35	-0.2530	85	-0.8500	145	-0.0680
36	-0.2450	86	-0.8480	147	0.1910
37	-0.2440	87	-0.7980	151	-0.1710
38	-0.2490	88	-0.7500	152	-0.2700
39	-0.2700	89	-0.6680	153	-0.2450
40	-0.3030	90	-0.8270	154	-0.2460
41	-0.3840	91	-0.8540	155	-0.1160
42	-0.4020	92	-0.8570	156	-0.1510
43	-0.6230	93	-0.8470	157	-0.2020
44	-0.4640	94	-0.8160	158	0.0810
45	-0.3420	95	-0.6900	159	-0.0740
46	-0.2850	96	-0.3120	160	-0.1030
47	-0.2600	97	-0.4790	161	-0.1650
48	-0.2570	98	0.0710	162	0.0820
49	-0.2680	99	0.1320	163	-0.0090
50	-0.2770	100	-0.3450	164	0.0850
51	-0.3070	101	-0.4160	165	-0.1530

ORF	CP	ORF	CP	ORF	CP
166	0.2180	217	-0.5330	268	-0.3020
167	0.0380	218	-0.3990	269	-0.0740
168	0.0080	219	-0.1440	270	-0.0130
169	-0.0710	220	-0.1200	271	-0.3980
170	-0.0300	221	-0.6470	272	-0.3340
171	-0.0300	222	-0.5870	273	-0.0490
172	-0.1680	223	-0.1870	274	-0.0170
173	-0.0730	224	-0.1280	275	0.1620
174	-0.1410	225	0.2340	276	0.0430
175	-0.2230	226	0.1070	277	-0.0810
176	-0.2720	227	-1.1040	278	-1.0290
177	-0.3460	228	-1.0320	279	-0.9170
178	-0.4060	229	-0.9410	280	-0.8200
179	-0.3320	230	-0.7880	281	-0.6320
180	-0.2580	231	-0.5870	282	-0.3930
181	-0.0090	232	-0.3680	283	-0.2990
182	0.1020	233	-0.1420	284	-0.2360
183	0.1780	234	-0.1010	285	-0.2440
184	0.2930	235	-0.3990	286	-0.3990
185	0.3420	236	-0.3590	287	-0.3870
186	0.3490	237	-0.1410	288	-0.0600
187	0.3750	238	-0.0390	289	0.0340
188	0.4080	239	0.1740	290	-0.0650
189	0.4230	240	0.0940	291	-0.3090
190	-0.2830	241	-1.1230	292	0.3170
191	-0.3320	242	-1.0420	325	0.0320
192	-0.3010	244	-0.8580	326	0.0320
193	-0.3260	245	-0.4860	327	0.0320
194	-0.3310	246	-0.2890	328	0.0340
195	-0.3360	247	-0.1880	329	0.0320
196	-0.3040	248	-0.1590	330	0.0320
197	-0.2770	249	-0.2070	331	0.0330
198	-0.2950	250	0.0240	332	0.0330
199	-0.2960	251	-0.2420	333	0.0340
200	-0.3160	252	-0.2300	334	0.0310
201	-0.3070	253	0.0530	335	0.0320
202	-0.2810	254	-0.0780	336	0.0290
203	-0.2950	255	-1.0370	337	0.0310
204	-0.3050	256	-0.9770	338	0.0320
205	0.0620	257	-0.8650	339	0.0320
206	0.1070	258	-0.6580	340	0.0350
207	0.0710	259	-0.4050	341	0.0320
208	0.0420	260	-0.2990	350	-0.1230
210	0.1330	261	-0.2360	351	0.0130
211	0.2490	262	-0.2180	352	0.0220
212	0.1370	263	-0.3670	353	0.0260
213	-0.8870	264	-0.2890	354	0.0250
214	-0.7660	265	-0.0890	355	0.0250
215	-0.6610	266	-0.0490		
216	-0.5780	267	-0.3790		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 354
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 15.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 1.001
TUNNEL DYNAMIC PRESSURE(PSF) = 702.
TUNNEL STAGNATION PRESSURE(PSF) = 1896.
TUNNEL STATIC PRESSURE(PSF) = 1000.
REYNOLDS NUMBER PER FOOT = 4.0000E 06
MODEL ANGLE OF ATTACK(DEG) = 0.07
FIN ANGLE(DEG) = -0.51
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 544.

SCANIVALE	CP(REF)
147	0.8735
247	0.8715
347	0.8725
447	0.8725
547	0.8645
647	0.8655
747	0.8655

ORF	CP	ORF	CP	ORF	CP
1	0.1525	52	-0.0395	102	-0.2105
2	-0.2965	53	-0.2755	103	-0.5965
3	-0.3605	54	-0.3825	104	-0.5805
4	-0.2375	55	0.1575	105	-0.3765
5	-0.1235	56	0.1335	110	-0.2565
6	-0.0425	57	0.1205	111	-0.2685
7	0.0055	58	0.1015	112	-0.2085
8	0.0415	59	0.0845	113	-0.2405
9	0.0505	60	0.0655	114	-0.2455
10	0.0565	61	0.0375	115	-0.1955
11	0.0495	62	-0.0045	116	-0.1355
12	0.0365	63	-0.0695	117	-0.0785
13	0.0035	64	-0.4585	118	-0.0835
14	-0.1315	65	-0.4485	119	-0.0615
15	-0.1965	66	0.1515	120	0.0405
16	-0.1385	67	0.1295	121	0.0385
17	-0.1845	68	0.1075	122	0.0265
18	-0.0815	69	0.0815	123	-0.2245
19	-0.0295	70	0.0525	124	-0.0705
20	0.0125	71	0.0185	125	-0.0445
21	0.0395	72	-0.0295	126	0.0005
22	0.0595	73	-0.1165	127	-0.0215
23	0.0605	74	-0.4745	128	-0.2635
24	0.0595	75	0.1415	129	-0.1645
25	0.0515	76	0.1075	135	0.0185
26	0.0335	77	0.0705	136	0.0145
27	-0.0045	78	0.0325	137	0.0115
28	-0.1445	79	-0.0135	138	0.1445
29	-0.2305	80	-0.0665	139	0.1525
30	-0.0335	81	-0.1955	140	0.1505
32	0.0355	82	-0.4875	141	0.1865
33	0.0565	83	0.1085	142	0.1865
34	0.0675	84	0.0715	143	0.1865
35	0.0715	85	0.0175	145	0.0155
36	0.0745	86	-0.0225	147	0.1865
37	0.0695	87	-0.0725	151	-0.0025
38	0.0545	88	-0.1655	152	-0.2395
39	0.0295	89	-0.4985	153	-0.2625
40	-0.0135	90	0.0215	154	-0.3285
41	-0.1365	91	-0.0025	155	0.0615
42	-0.2745	92	-0.0425	156	0.0845
43	0.1185	93	-0.0835	157	-0.0855
44	0.1105	94	-0.1555	158	0.3855
45	0.1045	95	-0.5015	159	0.2465
46	0.1015	96	-0.3515	160	0.1885
47	0.0965	97	-0.4405	161	0.0635
48	0.0895	98	0.0995	162	0.3775
49	0.0705	99	0.0665	163	0.2905
50	0.0495	100	-0.1855	164	0.1465
51	0.0145	101	-0.2525	165	-0.0065

ORF	CP	ORF	CP	ORF	CP
166	0.4515	217	-0.0655	268	-0.1325
167	0.2755	218	0.0095	269	0.1705
168	0.2105	219	0.0395	270	0.2505
169	0.0745	220	0.0145	271	-0.2355
170	0.2435	221	-0.4825	272	-0.2315
171	0.1695	222	-0.3615	273	0.1905
172	-0.0815	223	0.0395	274	0.2595
173	0.0405	224	0.0255	275	0.4395
174	-0.0705	225	0.3055	276	0.3905
175	-0.2655	226	0.1625	277	0.2315
176	-0.3475	227	-0.5085	278	-0.6505
177	-0.2265	228	-0.4935	279	-0.6075
178	-0.3745	229	-0.4375	280	-0.5445
179	-0.3355	230	-0.3025	281	-0.4205
180	-0.2675	231	-0.0765	282	-0.1915
181	0.2935	232	-0.0005	283	-0.0335
182	0.4475	233	0.0315	284	0.0595
183	0.4435	234	0.0235	285	0.0275
184	0.6165	235	-0.1685	286	-0.2405
185	0.6765	236	-0.2475	287	-0.2775
186	0.7815	237	-0.0695	288	0.1695
187	0.8365	238	-0.0015	289	0.2585
188	0.9055	239	0.3005	290	0.2025
189	0.9545	240	0.2025	291	-0.4305
190	-0.2595	241	-0.5335	292	0.0465
191	-0.2585	242	-0.5075	325	0.0405
192	-0.2705	244	-0.2865	326	0.0415
193	-0.2775	245	-0.0835	327	0.0405
194	-0.2625	246	-0.0135	328	0.0405
195	-0.2635	247	0.0255	329	0.0405
196	-0.2795	248	0.0325	330	0.0405
197	-0.2595	249	0.0015	331	0.0415
198	-0.2595	250	0.0455	332	0.0405
199	-0.2615	251	-0.2425	333	0.0415
200	-0.2575	252	-0.0625	334	0.0405
201	-0.2505	253	0.3245	335	0.0415
202	-0.2525	254	0.1865	336	0.0425
203	-0.2435	255	-0.5395	337	0.0395
204	-0.2445	256	-0.5285	338	0.0395
205	0.3055	257	-0.5035	339	0.0395
206	0.3445	258	-0.4205	340	0.0405
207	0.3375	259	-0.1915	341	0.0395
208	0.3375	260	-0.0305	350	-0.0485
210	0.3825	261	0.0505	351	0.0405
211	0.3395	262	0.0495	352	0.0435
212	0.2015	263	-0.1345	353	0.0445
213	-0.6355	264	-0.0705	354	0.0465
214	-0.5445	265	0.1745	355	0.0475
215	-0.4445	266	0.2255		
216	-0.2775	267	-0.1595		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 370
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 14.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.947
TUNNEL DYNAMIC PRESSURE(PSF) = 672.
TUNNEL STAGNATION PRESSURE(PSF) = 1909.
TUNNEL STATIC PRESSURE(PSF) = 1071.
REYNOLDS NUMBER PER FOOT = 3.9750E 06
MODEL ANGLE OF ATTACK(DEG) = -14.25
FIN ANGLE(DEG) = -0.67
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.8032
247	0.8042
347	0.8042
447	0.8042
547	0.8082
647	0.8072
747	0.8072

ORF	CP	ORF	CP	ORF	CP
1	0.4812	52	0.1412	102	-0.1468
2	0.2272	53	-0.1468	103	-0.6238
3	0.2992	54	-0.0908	104	-0.5318
4	0.3502	55	0.6142	105	-0.4088
5	0.3762	56	0.5452	110	-0.0398
6	0.3932	57	0.4882	111	-0.0428
7	0.3912	58	0.4362	112	-0.0178
8	0.3842	59	0.3972	113	-0.0598
9	0.3722	60	0.3442	114	-0.2068
10	0.3562	61	0.2792	115	0.0952
11	0.3332	62	0.2032	116	0.1052
12	0.3022	63	0.0892	117	0.0932
13	0.2492	64	-0.2048	118	0.0592
14	0.0352	65	-0.1628	119	0.0142
15	-0.0468	66	0.5942	120	-0.0128
16	0.5142	67	0.5112	121	-0.0138
17	0.4772	68	0.4472	122	-0.0428
18	0.4622	69	0.3822	123	-0.1778
19	0.4482	70	0.3192	124	-0.0888
20	0.4382	71	0.2592	125	-0.0788
21	0.4252	72	0.1662	126	-0.0508
22	0.4063	73	0.0172	127	-0.0628
23	0.3842	74	-0.2038	128	-0.1898
24	0.3602	75	0.5632	129	-0.1228
25	0.3312	76	0.4652	135	-0.0188
26	0.2892	77	0.3782	136	-0.0328
27	0.2182	78	0.2932	137	-0.0118
28	0.0282	79	0.2012	138	0.0832
29	-0.0788	80	0.0932	139	0.0782
30	0.5842	81	-0.1038	140	0.0942
32	0.5032	82	-0.2308	141	0.1992
33	0.4772	83	0.4722	142	0.2052
34	0.4492	84	0.3962	143	0.2032
35	0.4232	85	0.2842	145	-0.0368
36	0.3952	86	0.1772	147	0.2042
37	0.3652	87	0.0642	151	0.0992
38	0.3242	88	-0.0978	152	-0.1948
39	0.2762	89	-0.2678	153	-0.1878
40	0.1972	90	0.3822	154	-0.3178
41	0.0313	91	0.1962	155	0.0542
42	-0.0908	92	0.0882	156	0.2452
43	0.6142	93	-0.0038	157	0.0152
44	0.5512	94	-0.1208	158	0.6322
45	0.5042	95	-0.2668	159	0.3392
46	0.4692	96	-0.7988	160	0.3092
47	0.4382	97	-0.3438	161	0.1612
48	0.3992	98	-0.9928	162	0.5402
49	0.3542	99	-0.5428	163	0.3742
50	0.3042	100	-0.3848	164	0.0822
51	0.2352	101	-0.2178	165	0.0482

ORF	CP	ORF	CP	ORF	CP
166	0.3792	217	-0.0788	268	-0.0148
167	0.2872	218	0.1352	269	0.3882
168	0.2012	219	0.2512	270	0.5202
169	0.0172	220	0.2032	271	-0.1668
170	0.3502	221	-0.3468	272	-0.1108
171	0.0902	222	-0.2708	273	0.3802
172	-0.1458	223	0.1812	274	0.4582
173	0.1272	224	0.1692	275	0.5212
174	0.0022	225	0.5352	276	0.6412
175	-0.2488	226	0.3572	277	0.5102
176	-0.3638	227	-0.3528	278	-0.2538
177	-0.1918	228	-0.3538	279	-0.1118
178	-0.3568	229	-0.3468	280	0.0722
179	-0.3448	230	-0.2888	281	0.2892
180	-0.2868	231	-0.0488	282	0.3802
181	0.5282	232	0.1582	283	0.3872
182	0.6902	233	0.2462	284	0.3782
183	0.3072	234	0.2152	285	0.2682
184	0.4252	235	-0.0218	286	-0.1988
185	0.5382	236	-0.0878	287	-0.0868
186	0.7492	237	0.0892	288	0.2532
187	0.9052	238	0.1702	289	0.2612
188	1.0362	239	0.5752	290	0.4262
189	1.0792	240	0.4692	291	-1.0218
190	-0.2708	241	-0.3968	292	-0.2668
191	-0.2578	242	-0.3778	325	-0.0128
192	-0.2968	244	-0.1598	326	-0.0128
193	-0.2918	245	0.1322	327	-0.0098
194	-0.2518	246	0.2332	328	-0.0098
195	-0.2838	247	0.2682	329	-0.0128
196	-0.2828	248	0.2552	330	-0.0098
197	-0.2708	249	0.2022	331	-0.0118
198	-0.2668	250	-0.0058	332	-0.0098
199	-0.2638	251	-0.2438	333	-0.0098
200	-0.2538	252	0.0592	334	-0.0108
201	-0.2588	253	0.6162	335	-0.0088
202	-0.2698	254	0.4572	336	-0.0118
203	-0.2588	255	-0.2258	337	-0.0128
204	-0.2608	256	-0.2108	338	-0.0118
205	-0.0148	257	-0.1668	339	-0.0098
206	0.0592	258	-0.0078	340	-0.0098
207	0.0122	259	0.2302	341	-0.0118
208	0.1662	260	0.3022	350	0.0172
210	0.7112	261	0.3122	351	-0.0048
211	0.5642	262	0.2792	352	-0.0068
212	0.4022	263	0.0102	353	-0.0058
213	-0.3398	264	0.0442	354	-0.0058
214	-0.3288	265	0.3792	355	-0.0068
215	-0.3248	266	0.4512		
216	-0.2908	267	-0.0398		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 371
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 14.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.950
TUNNEL DYNAMIC PRESSURE(PSF) = 675.
TUNNEL STAGNATION PRESSURE(PSF) = 1909.
TUNNEL STATIC PRESSURE(PSF) = 1067.
REYNOLDS NUMBER PER FOOT = 3.9810E 06
MODEL ANGLE OF ATTACK(DEG) = -12.10
FIN ANGLE(DEG) = -0.36
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.8103
247	0.8093
347	0.8093
447	0.8103
547	0.8073
647	0.8073
747	0.8073

ORF	CP	ORF	CP	ORF	CP
1	0.4243	52	0.1133	102	-0.1297
2	0.1343	53	-0.1847	103	-0.6017
3	0.1913	54	-0.1047	104	-0.5497
4	0.2753	55	0.5653	105	-0.4007
5	0.3163	56	0.4933	110	-0.0547
6	0.3313	57	0.4413	111	-0.0507
7	0.3373	58	0.3973	112	-0.0197
8	0.3343	59	0.3573	113	-0.0507
9	0.3273	60	0.3063	114	-0.1557
10	0.3113	61	0.2473	115	0.0563
11	0.2943	62	0.1713	116	0.0843
12	0.2663	63	0.0603	117	0.0863
13	0.2183	64	-0.2457	118	0.0873
14	0.0113	65	-0.1787	119	0.0243
15	-0.0637	66	0.5503	120	0.0013
16	0.4253	67	0.4693	121	0.0003
17	0.3993	68	0.4053	122	-0.0287
18	0.3913	69	0.3443	123	-0.1527
19	0.3873	70	0.2823	124	-0.0597
20	0.3803	71	0.2253	125	-0.0527
21	0.3703	72	0.1383	126	-0.0257
22	0.3573	73	-0.0047	127	-0.0377
23	0.3403	74	-0.2217	128	-0.1897
24	0.3193	75	0.5223	129	-0.0957
25	0.2933	76	0.4233	135	0.0063
26	0.2553	77	0.3423	136	-0.0107
27	0.1903	78	0.2603	137	-0.0077
28	0.0033	79	0.1713	138	0.0953
29	-0.0917	80	0.0653	139	0.0993
30	0.5123	81	-0.1287	140	0.1023
32	0.4443	82	-0.2477	141	0.1773
33	0.4243	83	0.4323	142	0.1833
34	0.4023	84	0.3573	143	0.1793
35	0.3763	85	0.2473	145	-0.0117
36	0.3523	86	0.1413	147	0.1873
37	0.3233	87	0.0363	151	0.0853
38	0.2933	88	-0.1227	152	-0.1917
39	0.2463	89	-0.3077	153	-0.1987
40	0.1693	90	0.3433	154	-0.3247
41	0.0053	91	0.1653	155	0.0873
42	-0.1007	92	0.0583	156	0.2403
43	0.5563	93	-0.0297	157	0.0133
44	0.4963	94	-0.1477	158	0.6203
45	0.4493	95	-0.2827	159	0.3513
46	0.4173	96	-0.7647	160	0.3143
47	0.3953	97	-0.3417	161	0.1633
48	0.3583	98	-1.0347	162	0.5623
49	0.3153	99	-0.4977	163	0.4153
50	0.2673	100	-0.3737	164	0.1003
51	0.2023	101	-0.1917	165	0.0713

ORF	CP	ORF	CP	ORF	CP
166	0.3863	217	-0.1347	268	-0.0507
167	0.3363	218	0.0763	269	0.3563
168	0.2583	219	0.2173	270	0.4823
169	0.0653	220	0.1743	271	-0.1537
170	0.3993	221	-0.3897	272	-0.1647
171	0.1373	222	-0.2957	273	0.3563
172	-0.1207	223	0.1493	274	0.4373
173	0.1253	224	0.1393	275	0.5133
174	0.0093	225	0.5083	276	0.6053
175	-0.2737	226	0.3323	277	0.4633
176	-0.3757	227	-0.4037	278	-0.3467
177	-0.1997	228	-0.4037	279	-0.2547
178	-0.3667	229	-0.3937	280	-0.0797
179	-0.3457	230	-0.3327	281	0.1683
180	-0.2797	231	-0.0827	282	0.3053
181	0.4943	232	0.1063	283	0.3233
182	0.6613	233	0.2103	284	0.3223
183	0.3133	234	0.1833	285	0.2313
184	0.4333	235	-0.0497	286	-0.1747
185	0.5643	236	-0.1257	287	-0.1727
186	0.7923	237	0.0443	288	0.2423
187	0.9733	238	0.1333	289	0.2663
188	1.0743	239	0.5563	290	0.3813
189	1.1133	240	0.4443	291	-0.9877
190	-0.2497	241	-0.4567	292	-0.2407
191	-0.2527	242	-0.4357	325	0.0033
192	-0.2647	244	-0.2127	326	0.0083
193	-0.2627	245	0.0703	327	0.0073
194	-0.2397	246	0.1773	328	0.0063
195	-0.2547	247	0.2253	329	0.0043
196	-0.2697	248	0.2173	330	0.0063
197	-0.2597	249	0.1703	331	0.0093
198	-0.2577	250	0.0053	332	0.0073
199	-0.2587	251	-0.2397	333	0.0063
200	-0.2397	252	0.0353	334	0.0053
201	-0.2477	253	0.5933	335	0.0073
202	-0.2557	254	0.4293	336	0.0043
203	-0.2537	255	-0.3137	337	0.0033
204	-0.2447	256	-0.2927	338	0.0083
205	0.0663	257	-0.2497	339	0.0073
206	0.1363	258	-0.0917	340	0.0053
207	0.1073	259	0.1623	341	0.0043
208	0.2173	260	0.2433	350	0.0233
210	0.6793	261	0.2693	351	0.0063
211	0.5403	262	0.2483	352	0.0053
212	0.3743	263	-0.0097	353	0.0053
213	-0.3927	264	0.0213	354	0.0053
214	-0.3727	265	0.3493	355	0.0053
215	-0.3707	266	0.4183		
216	-0.3367	267	-0.0497		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 372
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 14.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.950
TUNNEL DYNAMIC PRESSURE(PSF) = 675.
TUNNEL STAGNATION PRESSURE(PSF) = 1910.
TUNNEL STATIC PRESSURE(PSF) = 1069.
REYNOLDS NUMBER PER FOOT = 3.9870E 06
MODEL ANGLE OF ATTACK(DEG) = -8.07
FIN ANGLE(DEG) = -0.25
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCAN VALUE	CP(REF)
147	0.8043
247	0.8053
347	0.8043
447	0.8053
547	0.8023
647	0.8033
747	0.8023

ORF	CP	ORF	CP	ORF	CP
1	0.3313	52	0.0433	102	-0.1757
2	-0.0107	53	-0.2577	103	-0.5477
3	0.0453	54	-0.1627	104	-0.5347
4	0.1413	55	0.4523	105	-0.3687
5	0.1893	56	0.3893	110	-0.0757
6	0.2073	57	0.3483	111	-0.0637
7	0.2193	58	0.3083	112	-0.0357
8	0.2233	59	0.2693	113	-0.0507
9	0.2243	60	0.2213	114	-0.1067
10	0.2133	61	0.1663	115	0.0203
11	0.1973	62	0.0983	116	0.0563
12	0.1783	63	-0.0057	117	0.0653
13	0.1373	64	-0.4387	118	0.0633
14	-0.0527	65	-0.2187	119	0.0243
15	-0.1237	66	0.4423	120	0.0253
16	0.2593	67	0.3673	121	0.0253
17	0.2433	68	0.3073	122	0.0093
18	0.2523	69	0.2533	123	-0.0977
19	0.2583	70	0.1993	124	-0.0297
20	0.2593	71	0.1443	125	-0.0187
21	0.2583	72	0.0623	126	0.0023
22	0.2493	73	-0.0667	127	-0.0107
23	0.2363	74	-0.2647	128	-0.1127
24	0.2233	75	0.4183	129	-0.0467
25	0.2033	76	0.3233	135	0.0283
26	0.1713	77	0.2473	136	0.0233
27	0.1133	78	0.1783	137	0.0303
28	-0.0627	79	0.0993	138	0.1073
29	-0.1567	80	0.0043	139	0.1093
30	0.3643	81	-0.1757	140	0.1123
32	0.3183	82	-0.3607	141	0.1493
33	0.3033	83	0.3373	142	0.1473
34	0.2843	84	0.2603	143	0.1413
35	0.2713	85	0.1543	145	0.0223
36	0.2543	86	0.0523	147	0.1483
37	0.2323	87	-0.0427	151	0.0543
38	0.2033	88	-0.1827	152	-0.2077
39	0.1643	89	-0.4547	153	-0.2007
40	0.0973	90	0.2423	154	-0.3067
41	-0.0587	91	0.0613	155	0.0443
42	-0.1717	92	-0.0327	156	0.2143
43	0.4323	93	-0.1067	157	0.0053
44	0.3743	94	-0.2077	158	0.5143
45	0.3463	95	-0.4507	159	0.3443
46	0.3223	96	-0.7457	160	0.3013
47	0.2953	97	-0.4487	161	0.1523
48	0.2623	98	-0.5957	162	0.4963
49	0.2263	99	-0.5907	163	0.3843
50	0.1863	100	-0.4947	164	0.1123
51	0.1283	101	-0.2127	165	0.0633

ORF	CP	ORF	CP	ORF	CP
166	0.3503	217	-0.2147	268	-0.1027
167	0.3403	218	-0.0167	269	0.2703
168	0.2683	219	0.1403	270	0.3673
169	0.0823	220	0.1083	271	-0.1907
170	0.3953	221	-0.4587	272	-0.2237
171	0.1903	222	-0.3317	273	0.2403
172	-0.0797	223	0.0903	274	0.3273
173	0.1273	224	0.0853	275	0.4003
174	-0.0047	225	0.4503	276	0.5743
175	-0.2187	226	0.2773	277	0.4103
176	-0.3557	227	-0.5087	278	-0.4647
177	-0.1977	228	-0.5037	279	-0.3837
178	-0.3767	229	-0.4907	280	-0.2237
179	-0.3787	230	-0.4187	281	0.0243
180	-0.2557	231	-0.1877	282	0.1803
181	0.4583	232	0.0123	283	0.2083
182	0.6093	233	0.1313	284	0.2223
183	0.4713	234	0.1153	285	0.1483
184	0.7213	235	-0.1077	286	-0.2017
185	0.8913	236	-0.1867	287	-0.2467
186	1.0353	237	-0.0117	288	0.1533
187	1.0843	238	0.0653	289	0.2433
188	1.1073	239	0.5003	290	0.3043
189	1.1293	240	0.3873	291	-0.6007
190	-0.2187	241	-0.5777	292	-0.2077
191	-0.2017	242	-0.5517	325	0.0303
192	-0.2267	244	-0.3257	326	0.0303
193	-0.2317	245	-0.0377	327	0.0293
194	-0.2197	246	0.0863	328	0.0303
195	-0.2227	247	0.1453	329	0.0303
196	-0.2527	248	0.1463	330	0.0283
197	-0.2327	249	0.1063	331	0.0313
198	-0.2317	250	0.0283	332	0.0293
199	-0.2367	251	-0.2257	333	0.0313
200	-0.2227	252	-0.0147	334	0.0313
201	-0.2157	253	0.5373	335	0.0293
202	-0.2337	254	0.3683	336	0.0293
203	-0.2217	255	-0.4667	337	0.0293
204	-0.2227	256	-0.4337	338	0.0303
205	0.2023	257	-0.3877	339	0.0293
206	0.2203	258	-0.2157	340	0.0303
207	0.2213	259	0.0523	341	0.0293
208	0.2613	260	0.1453	350	0.0243
210	0.6073	261	0.1833	351	0.0303
211	0.4793	262	0.1683	352	0.0293
212	0.3143	263	-0.0717	353	0.0293
213	-0.4937	264	-0.0387	354	0.0293
214	-0.4697	265	0.2783	355	0.0273
215	-0.4627	266	0.3293		
216	-0.4227	267	-0.1027		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 373
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 14.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.951
TUNNEL DYNAMIC PRESSURE(PSF) = 676.
TUNNEL STAGNATION PRESSURE(PSF) = 1912.
TUNNEL STATIC PRESSURE(PSF) = 1069.
REYNOLDS NUMBER PER FOOT = 3.9930E 06
MODEL ANGLE OF ATTACK(DEG) = -6.06
FIN ANGLE(DEG) = -0.53
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.8046
247	0.8036
347	0.8036
447	0.8036
547	0.8036
647	0.8026
747	0.8036

ORF	CP	ORF	CP	ORF	CP
1	0.2616	52	0.0086	102	-0.2154
2	0.0146	53	-0.2794	103	-0.5994
3	0.0576	54	-0.2284	104	-0.5674
4	0.1166	55	0.3876	105	-0.3734
5	0.1416	56	0.3306	110	-0.0804
6	0.1576	57	0.2956	111	-0.0594
7	0.1626	58	0.2516	112	-0.0224
8	0.1626	59	0.2136	113	-0.0394
9	0.1636	60	0.1726	114	-0.0834
10	0.1556	61	0.1246	115	0.0276
11	0.1426	62	0.0606	116	0.0776
12	0.1186	63	-0.0364	117	0.0836
13	0.0776	64	-0.4954	118	0.0836
14	-0.0934	65	-0.3074	119	0.0356
15	-0.1544	66	0.3756	120	0.0366
16	0.2146	67	0.3026	121	0.0366
17	0.1926	68	0.2476	122	0.0346
18	0.1956	69	0.2016	123	-0.0834
19	0.1966	70	0.1576	124	-0.0174
20	0.1966	71	0.1036	125	-0.0034
21	0.1946	72	0.0276	126	0.0206
22	0.1866	73	-0.0934	127	0.0066
23	0.1756	74	-0.4424	128	-0.0964
24	0.1616	75	0.3506	129	-0.0334
25	0.1436	76	0.2686	135	0.0446
26	0.1156	77	0.2006	136	0.0386
27	0.0576	78	0.1366	137	0.0426
28	-0.1024	79	0.0626	138	0.1266
29	-0.1924	80	-0.0314	139	0.1276
30	0.3026	81	-0.1994	140	0.1316
32	0.2546	82	-0.4694	141	0.1466
33	0.2436	83	0.2796	142	0.1476
34	0.2256	84	0.2056	143	0.1436
35	0.2096	85	0.1056	145	0.0376
36	0.1986	86	0.0126	147	0.1466
37	0.1766	87	-0.0734	151	0.0296
38	0.1486	88	-0.2024	152	-0.2144
39	0.1146	89	-0.4974	153	-0.2044
40	0.0556	90	0.1806	154	-0.2794
41	-0.0914	91	0.0136	155	0.0446
42	-0.2164	92	-0.0654	156	0.1376
43	0.3676	93	-0.1374	157	-0.0454
44	0.3166	94	-0.2354	158	0.4486
45	0.2886	95	-0.5284	159	0.2626
46	0.2666	96	-0.6434	160	0.2306
47	0.2406	97	-0.4734	161	0.0996
48	0.2136	98	-0.3924	162	0.4196
49	0.1776	99	-0.4424	163	0.3006
50	0.1396	100	-0.4104	164	0.1276
51	0.0866	101	-0.2594	165	0.0156

ORF	CP	ORF	CP	ORF	CP
166	0.3246	217	-0.1974	268	-0.1184
167	0.2666	218	-0.0004	269	0.2226
168	0.2056	219	0.1106	270	0.3216
169	0.0426	220	0.0806	271	-0.2184
170	0.3316	221	-0.4694	272	-0.2284
171	0.1446	222	-0.3604	273	0.2296
172	-0.0884	223	0.0736	274	0.3066
173	0.0736	224	0.0736	275	0.3656
174	-0.0304	225	0.3926	276	0.4416
175	-0.2384	226	0.2246	277	0.3226
176	-0.3224	227	-0.5534	278	-0.3724
177	-0.2144	228	-0.5434	279	-0.2954
178	-0.3664	229	-0.5154	280	-0.1354
179	-0.3334	230	-0.4134	281	0.0526
180	-0.2384	231	-0.1594	282	0.1396
181	0.3676	232	0.0136	283	0.1556
182	0.5206	233	0.0996	284	0.1646
183	0.3946	234	0.0866	285	0.0936
184	0.5836	235	-0.1314	286	-0.2334
185	0.6996	236	-0.2084	287	-0.2704
186	0.8396	237	-0.0334	288	0.1916
187	0.9956	238	0.0436	289	0.2426
188	1.1016	239	0.4396	290	0.2596
189	1.1486	240	0.3336	291	-0.5884
190	-0.2074	241	-0.5664	292	-0.1634
191	-0.2034	242	-0.5384	325	0.0376
192	-0.2234	244	-0.3174	326	0.0376
193	-0.2234	245	-0.0454	327	0.0346
194	-0.2124	246	0.0606	328	0.0366
195	-0.2074	247	0.1126	329	0.0376
196	-0.2414	248	0.1096	330	0.0366
197	-0.2234	249	0.0716	331	0.0386
198	-0.2244	250	0.0396	332	0.0366
199	-0.2234	251	-0.2024	333	0.0376
200	-0.2114	252	-0.0344	334	0.0376
201	-0.2074	253	0.4246	335	0.0366
202	-0.2124	254	0.2876	336	0.0366
203	-0.2154	255	-0.4774	337	0.0376
204	-0.2074	256	-0.4314	338	0.0376
205	0.2296	257	-0.3604	339	0.0356
206	0.2596	258	-0.1614	340	0.0376
207	0.2436	259	0.0506	341	0.0376
208	0.2786	260	0.1156	350	0.0346
210	0.5546	261	0.1326	351	0.0416
211	0.4376	262	0.1206	352	0.0406
212	0.2796	263	-0.0984	353	0.0396
213	-0.5564	264	-0.0544	354	0.0406
214	-0.5274	265	0.2196	355	0.0386
215	-0.5184	266	0.2696		
216	-0.4454	267	-0.1354		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 374
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 14.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.950
TUNNEL DYNAMIC PRESSURE(PSF) = 676.
TUNNEL STAGNATION PRESSURE(PSF) = 1912.
TUNNEL STATIC PRESSURE(PSF) = 1069.
REYNOLDS NUMBER PER FOOT = 3.9930E 06
MODEL ANGLE OF ATTACK(DEG) = -4.00
FIN ANGLE(DEG) = -0.69
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.8046
247	0.8036
347	0.8056
447	0.8056
547	0.8046
647	0.8056
747	0.8046

ORF	CP	ORF	CP	ORF	CP
1	0.1426	52	-0.0314	102	-0.2244
2	-0.1254	53	-0.3044	103	-0.6284
3	-0.0714	54	-0.2664	104	-0.5984
4	0.0126	55	0.2976	105	-0.3974
5	0.0626	56	0.2546	110	-0.1044
6	0.0856	57	0.2216	111	-0.0754
7	0.0956	58	0.1896	112	-0.0264
8	0.0996	59	0.1546	113	-0.0484
9	0.0976	60	0.1186	114	-0.0804
10	0.0896	61	0.0746	115	0.0036
11	0.0816	62	0.0186	116	0.0636
12	0.0606	63	-0.0704	117	0.0816
13	0.0206	64	-0.5164	118	0.0796
14	-0.1284	65	-0.4054	119	0.0396
15	-0.1854	66	0.2966	120	0.0416
16	0.0936	67	0.2326	121	0.0336
17	0.0856	68	0.1816	122	0.0336
18	0.0976	69	0.1416	123	-0.0794
19	0.1116	70	0.0976	124	-0.0024
20	0.1146	71	0.0496	125	0.0046
21	0.1186	72	-0.0134	126	0.0276
22	0.1176	73	-0.1204	127	0.0176
23	0.1086	74	-0.5054	128	-0.0914
24	0.0996	75	0.2776	129	-0.0334
25	0.0806	76	0.2086	135	0.0536
26	0.0536	77	0.1516	136	0.0456
27	0.0036	78	0.0906	137	0.0486
28	-0.1434	79	0.0206	138	0.1346
29	-0.2104	80	-0.0604	139	0.1336
30	0.1886	81	-0.2144	140	0.1376
32	0.1636	82	-0.4984	141	0.1496
33	0.1586	83	0.2146	142	0.1516
34	0.1476	84	0.1466	143	0.1496
35	0.1376	85	0.0586	145	0.0426
36	0.1276	86	-0.0214	147	0.1476
37	0.1116	87	-0.0894	151	-0.0254
38	0.0886	88	-0.2004	152	-0.2104
39	0.0586	89	-0.5134	153	-0.2244
40	-0.0014	90	0.1176	154	-0.2794
41	-0.1354	91	-0.0234	155	0.0566
42	-0.2374	92	-0.0784	156	0.0816
43	0.2756	93	-0.1364	157	-0.0774
44	0.2296	94	-0.2254	158	0.4086
45	0.2076	95	-0.5094	159	0.2066
46	0.1906	96	-0.4324	160	0.1786
47	0.1686	97	-0.4874	161	0.0646
48	0.1446	98	-0.0494	162	0.3246
49	0.1166	99	-0.1474	163	0.2326
50	0.0846	100	-0.2624	164	0.1326
51	0.0406	101	-0.2754	165	-0.0124

ORF	CP	ORF	CP	ORF	CP
166	0.2846	217	-0.1604	268	-0.1234
167	0.2166	218	0.0046	269	0.1896
168	0.1526	219	0.0696	270	0.2916
169	0.0066	220	0.0386	271	-0.2344
170	0.2446	221	-0.4864	272	-0.2144
171	0.1126	222	-0.3984	273	0.2036
172	-0.0994	223	0.0586	274	0.2596
173	0.0906	224	0.0616	275	0.3826
174	-0.0394	225	0.3456	276	0.3446
175	-0.1854	226	0.1796	277	0.2086
176	-0.2934	227	-0.6084	278	-0.4644
177	-0.2504	228	-0.5894	279	-0.4374
178	-0.3934	229	-0.5484	280	-0.3424
179	-0.3304	230	-0.4144	281	-0.1114
180	-0.2244	231	-0.1384	282	0.0616
181	0.3016	232	-0.0054	283	0.0846
182	0.4426	233	0.0556	284	0.0976
183	0.3876	234	0.0466	285	0.0416
184	0.5696	235	-0.1644	286	-0.2594
185	0.6476	236	-0.2374	287	-0.2744
186	0.7496	237	-0.0524	288	0.1716
187	0.8866	238	0.0236	289	0.2136
188	0.9766	239	0.3816	290	0.2006
189	1.0246	240	0.2746	291	-0.5194
190	-0.2104	241	-0.5644	292	-0.1114
191	-0.2044	242	-0.5474	325	0.0436
192	-0.2264	244	-0.3444	326	0.0426
193	-0.2274	245	-0.0834	327	0.0436
194	-0.2054	246	0.0176	328	0.0416
195	-0.2044	247	0.0576	329	0.0436
196	-0.2334	248	0.0576	330	0.0416
197	-0.2124	249	0.0276	331	0.0436
198	-0.2064	250	0.0446	332	0.0436
199	-0.2174	251	-0.2044	333	0.0416
200	-0.2064	252	-0.0654	334	0.0446
201	-0.1924	253	0.3076	335	0.0426
202	-0.2064	254	0.1636	336	0.0446
203	-0.2054	255	-0.4604	337	0.0436
204	-0.2004	256	-0.4264	338	0.0426
205	0.2456	257	-0.3604	339	0.0426
206	0.2836	258	-0.1884	340	0.0416
207	0.2806	259	-0.0104	341	0.0426
208	0.2876	260	0.0446	350	0.0326
210	0.4956	261	0.0696	351	0.0456
211	0.4066	262	0.0596	352	0.0436
212	0.2416	263	-0.1204	353	0.0436
213	-0.6864	264	-0.0674	354	0.0426
214	-0.6254	265	0.1776	355	0.0426
215	-0.5964	266	0.2366		
216	-0.4624	267	-0.1584		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 375
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 14.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.948
TUNNEL DYNAMIC PRESSURE(PSF) = 675.
TUNNEL STAGNATION PRESSURE(PSF) = 1913.
TUNNEL STATIC PRESSURE(PSF) = 1072.
REYNOLDS NUMBER PER FOOT = 3.9910E 06
MODEL ANGLE OF ATTACK(DEG) = -1.94
FIN ANGLE(DEG) = -0.62
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.8019
247	0.8009
347	0.8019
447	0.8029
547	0.8049
647	0.8039
747	0.8029

ORF	CP	ORF	CP	ORF	CP
1	0.0929	52	-0.0761	102	-0.2311
2	-0.2761	53	-0.3421	103	-0.6061
3	-0.2901	54	-0.3041	104	-0.6091
4	-0.1701	55	0.1939	105	-0.3981
5	-0.0681	56	0.1609	110	-0.1161
6	0.0009	57	0.1419	111	-0.0921
7	0.0329	58	0.1139	112	-0.0271
8	0.0449	59	0.0859	113	-0.0471
9	0.0489	60	0.0559	114	-0.0691
10	0.0429	61	0.0229	115	-0.0021
11	0.0319	62	-0.0291	116	0.0599
12	0.0159	63	-0.1081	117	0.0809
13	-0.0191	64	-0.5461	118	0.0789
14	-0.1661	65	-0.4611	119	0.0359
15	-0.2151	66	0.1949	120	0.0499
16	-0.0761	67	0.1449	121	0.0389
17	-0.0661	68	0.1079	122	0.0399
18	-0.0321	69	0.0749	123	-0.0641
19	0.0139	70	0.0409	124	0.0089
20	0.0369	71	-0.0011	125	0.0189
21	0.0529	72	-0.0581	126	0.0369
22	0.0599	73	-0.1571	127	0.0249
23	0.0539	74	-0.5421	128	-0.0741
24	0.0469	75	0.1799	129	-0.0151
25	0.0339	76	0.1319	135	0.0579
26	0.0079	77	0.0789	136	0.0529
27	-0.0391	78	0.0299	137	0.0559
28	-0.1801	79	-0.0311	138	0.1369
29	-0.2351	80	-0.0991	139	0.1359
30	0.0499	81	-0.2391	140	0.1359
32	0.0749	82	-0.5111	141	0.1449
33	0.0829	83	0.1359	142	0.1439
34	0.0799	84	0.0729	143	0.1439
35	0.0779	85	-0.0031	145	0.0539
36	0.0679	86	-0.0651	147	0.1449
37	0.0549	87	-0.1241	151	-0.0511
38	0.0349	88	-0.2231	152	-0.2271
39	0.0079	89	-0.4791	153	-0.2401
40	-0.0461	90	0.0309	154	-0.2851
41	-0.1781	91	-0.0531	155	0.0319
42	-0.2571	92	-0.0991	156	0.0769
43	0.1649	93	-0.1461	157	-0.0781
44	0.1339	94	-0.2271	158	0.4079
45	0.1259	95	-0.4741	159	0.2099
46	0.1159	96	-0.5521	160	0.1709
47	0.0999	97	-0.5131	161	0.0579
48	0.0799	98	0.0019	162	0.3329
49	0.0569	99	-0.0461	163	0.2509
50	0.0299	100	-0.2541	164	0.1349
51	-0.0111	101	-0.2711	165	-0.0201

ORF	CP	ORF	CP	ORF	CP
166	0.3399	217	-0.1191	268	-0.1471
167	0.2529	218	-0.0061	269	0.1669
168	0.1789	219	0.0299	270	0.2589
169	0.0269	220	0.0019	271	-0.2491
170	0.1649	221	-0.4951	272	-0.2461
171	0.1739	222	-0.4401	273	0.1569
172	-0.0801	223	0.0329	274	0.2209
173	0.0779	224	0.0419	275	0.3969
174	-0.0521	225	0.3049	276	0.3459
175	-0.1711	226	0.1459	277	0.1879
176	-0.2921	227	-0.6321	278	-0.6051
177	-0.2621	228	-0.6041	279	-0.5781
178	-0.4191	229	-0.5501	280	-0.5251
179	-0.3931	230	-0.3821	281	-0.3651
180	-0.2311	231	-0.1261	282	-0.0971
181	0.3089	232	-0.0261	283	0.0209
182	0.4579	233	0.0189	284	0.0529
183	0.4359	234	0.0079	285	0.0059
184	0.6089	235	-0.1981	286	-0.2571
185	0.6849	236	-0.2611	287	-0.2971
186	0.8029	237	-0.0621	288	0.1209
187	0.9359	238	0.0049	289	0.2289
188	1.0079	239	0.3079	290	0.1759
189	1.0209	240	0.2049	291	-0.4721
190	-0.2211	241	-0.5651	292	-0.0451
191	-0.2031	242	-0.5521	325	0.0459
192	-0.2301	244	-0.3301	326	0.0469
193	-0.2331	245	-0.0931	327	0.0489
194	-0.2041	246	-0.0191	328	0.0499
195	-0.2091	247	0.0139	329	0.0509
196	-0.2291	248	0.0169	330	0.0499
197	-0.2151	249	-0.0161	331	0.0469
198	-0.2141	250	0.0549	332	0.0479
199	-0.2131	251	-0.2011	333	0.0509
200	-0.2041	252	-0.0811	334	0.0519
201	-0.2001	253	0.2809	335	0.0499
202	-0.2061	254	0.1249	336	0.0469
203	-0.2041	255	-0.5151	337	0.0469
204	-0.2081	256	-0.5081	338	0.0469
205	0.2669	257	-0.4841	339	0.0479
206	0.3009	258	-0.3831	340	0.0499
207	0.2999	259	-0.1111	341	0.0499
208	0.2899	260	-0.0001	350	0.0359
210	0.3929	261	0.0309	351	0.0519
211	0.3759	262	0.0259	352	0.0519
212	0.2109	263	-0.1541	353	0.0549
213	-0.7471	264	-0.0921	354	0.0519
214	-0.6491	265	0.1669	355	0.0529
215	-0.5871	266	0.2189		
216	-0.4011	267	-0.1811		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 376
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 14.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.951
TUNNEL DYNAMIC PRESSURE(PSF) = 676.
TUNNEL STAGNATION PRESSURE(PSF) = 1912.
TUNNEL STATIC PRESSURE(PSF) = 1069.
REYNOLDS NUMBER PER FOOT = 3.9880E 06
MODEL ANGLE OF ATTACK(DEG) = 0.11
FIN ANGLE(DEG) = -0.37
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.8046
247	0.8036
347	0.8036
447	0.8036
547	0.8046
647	0.8046
747	0.8046

ORF	CP	ORF	CP	ORF	CP
1	0.1086	52	-0.1124	102	-0.2224
2	-0.3774	53	-0.3704	103	-0.5974
3	-0.4234	54	-0.3834	104	-0.5894
4	-0.2734	55	0.1026	105	-0.3854
5	-0.1644	56	0.0786	110	-0.1794
6	-0.0844	57	0.0666	111	-0.1074
7	-0.0294	58	0.0456	112	-0.0314
8	-0.0054	59	0.0266	113	-0.0514
9	0.0066	60	0.0006	114	-0.0594
10	0.0086	61	-0.0314	115	-0.0144
11	0.0046	62	-0.0764	116	0.0576
12	-0.0114	63	-0.1564	117	0.0886
13	-0.0454	64	-0.5674	118	0.0866
14	-0.1884	65	-0.5324	119	0.0516
15	-0.2334	66	0.0976	120	0.0596
16	-0.2144	67	0.0716	121	0.0536
17	-0.2004	68	0.0466	122	0.0536
18	-0.1134	69	0.0216	123	-0.0584
19	-0.0644	70	-0.0144	124	0.0176
20	-0.0244	71	-0.0514	125	0.0266
21	0.0016	72	-0.1094	126	0.0456
22	0.0156	73	-0.2044	127	0.0336
23	0.0176	74	-0.5744	128	-0.0634
24	0.0156	75	0.0856	129	-0.0034
25	0.0056	76	0.0466	135	0.0636
26	-0.0174	77	0.0076	136	0.0616
27	-0.0634	78	-0.0344	137	0.0626
28	-0.2074	79	-0.0864	138	0.1386
29	-0.2714	80	-0.1454	139	0.1386
30	-0.0394	81	-0.2824	140	0.1376
32	0.0006	82	-0.5894	141	0.1426
33	0.0176	83	0.0556	142	0.1426
34	0.0246	84	0.0056	143	0.1426
35	0.0266	85	-0.0514	145	0.0586
36	0.0276	86	-0.0944	147	0.1426
37	0.0196	87	-0.1484	151	-0.0254
38	0.0046	88	-0.2484	152	-0.2464
39	-0.0234	89	-0.6024	153	-0.2214
40	-0.0724	90	-0.0454	154	-0.2874
41	-0.1994	91	-0.0734	155	-0.0164
42	-0.3014	92	-0.1134	156	0.1096
43	0.0696	93	-0.1594	157	-0.0724
44	0.0606	94	-0.2334	158	0.3746
45	0.0536	95	-0.5974	159	0.2526
46	0.0486	96	-0.3994	160	0.1986
47	0.0416	97	-0.5354	161	0.0766
48	0.0276	98	0.0426	162	0.3616
49	0.0136	99	0.0016	163	0.2976
50	-0.0114	100	-0.2654	164	0.1396
51	-0.0484	101	-0.2574	165	0.0026

ORF	CP	ORF	CP	ORF	CP
166	0.4266	217	-0.0844	268	-0.1714
167	0.2906	218	-0.0274	269	0.1486
168	0.2346	219	-0.0064	270	0.2236
169	0.0816	220	-0.0334	271	-0.2394
170	0.1336	221	-0.5044	272	-0.2704
171	0.1836	222	-0.4534	273	0.0996
172	-0.0794	223	0.0116	274	0.1826
173	0.0106	224	0.0146	275	0.3886
174	-0.0974	225	0.2636	276	0.3796
175	-0.2594	226	0.1136	277	0.2136
176	-0.2984	227	-0.6024	278	-0.8014
177	-0.2424	228	-0.5684	279	-0.7224
178	-0.4094	229	-0.5084	280	-0.6324
179	-0.4304	230	-0.3274	281	-0.4614
180	-0.2344	231	-0.1124	282	-0.2224
181	0.3396	232	-0.0434	283	-0.0674
182	0.4666	233	-0.0154	284	0.0176
183	0.4606	234	-0.0264	285	-0.0184
184	0.6796	235	-0.2244	286	-0.2394
185	0.7316	236	-0.2854	287	-0.2934
186	0.8036	237	-0.0764	288	0.0466
187	0.8636	238	-0.0144	289	0.2026
188	0.9096	239	0.2476	290	0.1686
189	0.9416	240	0.1466	291	-0.4904
190	-0.2234	241	-0.5644	292	0.0066
191	-0.2114	242	-0.5544	325	0.0546
192	-0.2314	244	-0.2934	326	0.0556
193	-0.2364	245	-0.1074	327	0.0556
194	-0.2144	246	-0.0524	328	0.0556
195	-0.2144	247	-0.0194	329	0.0536
196	-0.2454	248	-0.0134	330	0.0526
197	-0.2194	249	-0.0404	331	0.0566
198	-0.2144	250	0.0586	332	0.0576
199	-0.2194	251	-0.2014	333	0.0576
200	-0.2164	252	-0.0804	334	0.0546
201	-0.2024	253	0.2986	335	0.0536
202	-0.2124	254	0.1446	336	0.0546
203	-0.2014	255	-0.6374	337	0.0546
204	-0.2064	256	-0.6254	338	0.0546
205	0.2586	257	-0.5894	339	0.0556
206	0.2816	258	-0.4804	340	0.0556
207	0.2846	259	-0.2144	341	0.0536
208	0.2776	260	-0.0504	350	0.0486
210	0.3296	261	0.0106	351	0.0586
211	0.3236	262	0.0106	352	0.0596
212	0.1696	263	-0.1794	353	0.0596
213	-0.7304	264	-0.1084	354	0.0616
214	-0.6054	265	0.1606	355	0.0596
215	-0.5164	266	0.1956		
216	-0.3114	267	-0.1984		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 377
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 14.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.950
TUNNEL DYNAMIC PRESSURE(PSF) = 676.
TUNNEL STAGNATION PRESSURE(PSF) = 1912.
TUNNEL STATIC PRESSURE(PSF) = 1070.
REYNOLDS NUMBER PER FOOT = 3.9900E 06
MODEL ANGLE OF ATTACK(DEG) = 2.05
FIN ANGLE(DEG) = -0.33
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.8042
247	0.8042
347	0.8042
447	0.8052
547	0.8062
647	0.8072
747	0.8052

ORF	CP	ORF	CP	ORF	CP
1	0.0472	52	-0.1748	102	-0.2538
2	-0.3958	53	-0.4138	103	-0.6148
3	-0.4068	54	-0.3528	104	-0.6018
4	-0.2788	55	-0.0238	105	-0.4108
5	-0.1878	56	-0.0188	110	-0.2418
6	-0.1198	57	-0.0188	111	-0.1338
7	-0.0788	58	-0.0358	112	-0.0398
8	-0.0588	59	-0.0488	113	-0.0578
9	-0.0488	60	-0.0678	114	-0.0658
10	-0.0488	61	-0.0968	115	-0.0298
11	-0.0538	62	-0.1378	116	0.0542
12	-0.0628	63	-0.2088	117	0.0922
13	-0.0948	64	-0.5838	118	0.0902
14	-0.2258	65	-0.5188	119	0.0552
15	-0.2638	66	-0.0368	120	0.0632
16	-0.2208	67	-0.0288	121	0.0442
17	-0.2338	68	-0.0428	122	0.0442
18	-0.1708	69	-0.0598	123	-0.0578
19	-0.1218	70	-0.0848	124	0.0162
20	-0.0848	71	-0.1148	125	0.0252
21	-0.0618	72	-0.1658	126	0.0422
22	-0.0478	73	-0.2528	127	0.0332
23	-0.0448	74	-0.5878	128	-0.0558
24	-0.0478	75	-0.0458	129	-0.0038
25	-0.0548	76	-0.0478	135	0.0602
26	-0.0748	77	-0.0768	136	0.0572
27	-0.1198	78	-0.1078	137	0.0612
28	-0.2548	79	-0.1388	138	0.1382
29	-0.2878	80	-0.1868	139	0.1392
30	-0.1348	81	-0.3198	140	0.1392
32	-0.0828	82	-0.6018	141	0.1452
33	-0.0598	83	-0.0448	142	0.1442
34	-0.0448	84	-0.0868	143	0.1442
35	-0.0418	85	-0.1178	145	0.0552
36	-0.0438	86	-0.1388	147	0.1452
37	-0.0468	87	-0.1858	151	-0.0028
38	-0.0578	88	-0.2818	152	-0.2208
39	-0.0838	89	-0.6118	153	-0.2158
40	-0.1368	90	-0.1388	154	-0.2418
41	-0.2578	91	-0.1098	155	-0.0178
42	-0.3008	92	-0.1508	156	0.0892
43	-0.0508	93	-0.1918	157	-0.0708
44	-0.0388	94	-0.2638	158	0.2712
45	-0.0328	95	-0.6028	159	0.1842
46	-0.0288	96	-0.2788	160	0.1122
47	-0.0358	97	-0.4798	161	0.0042
48	-0.0428	98	0.0532	162	0.2572
49	-0.0568	99	0.0112	163	0.1822
50	-0.0768	100	-0.3128	164	0.1392
51	-0.1138	101	-0.2848	165	-0.0468

ORF	CP	ORF	CP	ORF	CP
166	0.3792	217	-0.0888	268	-0.1728
167	0.1712	218	-0.0568	269	0.1222
168	0.1352	219	-0.0448	270	0.1932
169	0.0182	220	-0.0738	271	-0.2578
170	0.2132	221	-0.4878	272	-0.2568
171	0.0872	222	-0.4528	273	0.1272
172	-0.1078	223	-0.0188	274	0.1822
173	-0.0238	224	-0.0118	275	0.3232
174	-0.0918	225	0.2282	276	0.3182
175	-0.2538	226	0.0822	277	0.1482
176	-0.2688	227	-0.5928	278	-0.8108
177	-0.2068	228	-0.5538	279	-0.7408
178	-0.3428	229	-0.4958	280	-0.6478
179	-0.3228	230	-0.3208	281	-0.4598
180	-0.2178	231	-0.1218	282	-0.2258
181	0.2622	232	-0.0688	283	-0.1048
182	0.3952	233	-0.0508	284	-0.0388
183	0.3842	234	-0.0618	285	-0.0678
184	0.5242	235	-0.2478	286	-0.2648
185	0.5462	236	-0.2838	287	-0.3158
186	0.5402	237	-0.0848	288	0.1122
187	0.5652	238	-0.0238	289	0.1822
188	0.6152	239	0.2222	290	0.1542
189	0.6512	240	0.1182	291	-0.5388
190	-0.2168	241	-0.6378	292	0.0262
191	-0.2078	242	-0.6018	325	0.0622
192	-0.2238	244	-0.3528	326	0.0642
193	-0.2198	245	-0.1518	327	0.0642
194	-0.2118	246	-0.0928	328	0.0622
195	-0.2128	247	-0.0558	329	0.0642
196	-0.2368	248	-0.0498	330	0.0632
197	-0.2148	249	-0.0708	331	0.0652
198	-0.2158	250	0.0652	332	0.0642
199	-0.2128	251	-0.2008	333	0.0642
200	-0.2078	252	-0.0848	334	0.0642
201	-0.1918	253	0.2972	335	0.0642
202	-0.2018	254	0.1532	336	0.0642
203	-0.1968	255	-0.7738	337	0.0622
204	-0.1928	256	-0.7088	338	0.0642
205	0.2342	257	-0.6598	339	0.0642
206	0.2612	258	-0.5258	340	0.0622
207	0.2612	259	-0.2518	341	0.0632
208	0.2572	260	-0.1018	350	0.0562
210	0.2582	261	-0.0398	351	0.0642
211	0.2632	262	-0.0398	352	0.0652
212	0.1172	263	-0.2168	353	0.0672
213	-0.6818	264	-0.1128	354	0.0672
214	-0.5298	265	0.1322	355	0.0632
215	-0.4378	266	0.1632		
216	-0.2328	267	-0.2328		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 378
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 14.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.949
TUNNEL DYNAMIC PRESSURE(PSF) = 676.
TUNNEL STAGNATION PRESSURE(PSF) = 1913.
TUNNEL STATIC PRESSURE(PSF) = 1071.
REYNOLDS NUMBER PER FOOT = 3.9910E 06
MODEL ANGLE OF ATTACK(DEG) = 4.01
FIN ANGLE(DEG) = -0.59
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.8027
247	0.8017
347	0.8027
447	0.8037
547	0.8037
647	0.8027
747	0.8027

ORF	CP	ORF	CP	ORF	CP
1	-0.0473	52	-0.2323	102	-0.2713
2	-0.4073	53	-0.4293	103	-0.6373
3	-0.4053	54	-0.3473	104	-0.6083
4	-0.3013	55	-0.4193	105	-0.4303
5	-0.2203	56	-0.2173	110	-0.2633
6	-0.1733	57	-0.1083	111	-0.1653
7	-0.1453	58	-0.1063	112	-0.0343
8	-0.1283	59	-0.1203	113	-0.0743
9	-0.1203	60	-0.1403	114	-0.0693
10	-0.1153	61	-0.1613	115	-0.0363
11	-0.1203	62	-0.1983	116	0.0577
12	-0.1283	63	-0.2583	117	0.0897
13	-0.1553	64	-0.5993	118	0.0917
14	-0.2703	65	-0.4953	119	0.0337
15	-0.2943	66	-0.4483	120	0.0577
16	-0.2633	67	-0.3153	121	0.0337
17	-0.2693	68	-0.1453	122	0.0337
18	-0.2313	69	-0.1233	123	-0.0483
19	-0.1953	70	-0.1423	124	0.0097
20	-0.1623	71	-0.1743	125	0.0177
21	-0.1413	72	-0.2173	126	0.0337
22	-0.1293	73	-0.3043	127	0.0257
23	-0.1253	74	-0.5923	128	-0.0523
24	-0.1243	75	-0.4523	129	-0.0013
25	-0.1303	76	-0.3333	135	0.0497
26	-0.1493	77	-0.2303	136	0.0477
27	-0.1923	78	-0.1813	137	0.0547
28	-0.2933	79	-0.1983	138	0.1327
29	-0.3063	80	-0.2343	139	0.1337
30	-0.2303	81	-0.3593	140	0.1347
32	-0.1653	82	-0.5843	141	0.1457
33	-0.1433	83	-0.4053	142	0.1447
34	-0.1313	84	-0.3813	143	0.1417
35	-0.1233	85	-0.2713	145	0.0437
36	-0.1203	86	-0.2173	147	0.1457
37	-0.1283	87	-0.2173	151	-0.0283
38	-0.1373	88	-0.3163	152	-0.2043
39	-0.1593	89	-0.5813	153	-0.2113
40	-0.2043	90	-0.4943	154	-0.2193
41	-0.3003	91	-0.3663	155	-0.0783
42	-0.3123	92	-0.2613	156	0.0297
43	-0.3723	93	-0.2363	157	-0.0853
44	-0.1663	94	-0.3113	158	0.1617
45	-0.1143	95	-0.5463	159	0.0887
46	-0.1063	96	-0.2003	160	0.0377
47	-0.1073	97	-0.4533	161	-0.0643
48	-0.1143	98	0.0827	162	0.1787
49	-0.1293	99	0.0327	163	0.0977
50	-0.1493	100	-0.3683	164	0.1347
51	-0.1833	101	-0.3193	165	-0.0933

ORF	CP	ORF	CP	ORF	CP
166	0.2987	217	-0.1323	268	-0.1953
167	0.1367	218	-0.0983	269	0.0547
168	0.1177	219	-0.0873	270	0.0977
169	0.0077	220	-0.1163	271	-0.2973
170	0.1617	221	-0.5013	272	-0.2593
171	0.0647	222	-0.4703	273	0.0767
172	-0.1123	223	-0.0623	274	0.1157
173	-0.0363	224	-0.0473	275	0.2397
174	-0.1033	225	0.1967	276	0.2137
175	-0.2293	226	0.0507	277	0.0507
176	-0.2503	227	-0.6333	278	-0.7513
177	-0.2163	228	-0.6003	279	-0.7023
178	-0.3093	229	-0.5343	280	-0.6063
179	-0.2813	230	-0.3653	281	-0.4263
180	-0.2133	231	-0.1643	282	-0.2183
181	0.1687	232	-0.1143	283	-0.1533
182	0.2877	233	-0.0923	284	-0.1103
183	0.2977	234	-0.1053	285	-0.1343
184	0.3977	235	-0.2783	286	-0.2993
185	0.4307	236	-0.2943	287	-0.3183
186	0.4457	237	-0.0953	288	0.0687
187	0.5117	238	-0.0413	289	0.1247
188	0.6317	239	0.2137	290	0.0907
189	0.6957	240	0.1117	291	-0.5603
190	-0.2063	241	-0.7253	292	0.0597
191	-0.2183	242	-0.6903	325	0.0627
192	-0.2223	244	-0.4353	326	0.0617
193	-0.2263	245	-0.2103	327	0.0617
194	-0.2233	246	-0.1383	328	0.0617
195	-0.2203	247	-0.1033	329	0.0637
196	-0.2303	248	-0.0933	330	0.0617
197	-0.2133	249	-0.1093	331	0.0637
198	-0.2093	250	0.0627	332	0.0617
199	-0.2063	251	-0.1983	333	0.0617
200	-0.2113	252	-0.1243	334	0.0627
201	-0.1943	253	0.2477	335	0.0627
202	-0.1943	254	0.1127	336	0.0617
203	-0.1993	255	-0.8353	337	0.0617
204	-0.1983	256	-0.7693	338	0.0627
205	0.2097	257	-0.6943	339	0.0617
206	0.2377	258	-0.5213	340	0.0617
207	0.2287	259	-0.2753	341	0.0617
208	0.2227	260	-0.1603	350	0.0317
210	0.2057	261	-0.1083	351	0.0627
211	0.2157	262	-0.1003	352	0.0627
212	0.0817	263	-0.2553	353	0.0647
213	-0.7013	264	-0.1483	354	0.0637
214	-0.5393	265	0.0767	355	0.0647
215	-0.4623	266	0.0907		
216	-0.2503	267	-0.2703		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 379
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 14.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.949
TUNNEL DYNAMIC PRESSURE(PSF) = 675.
TUNNEL STAGNATION PRESSURE(PSF) = 1912.
TUNNEL STATIC PRESSURE(PSF) = 1071.
REYNOLDS NUMBER PER FOOT = 3.9890E 06
MODEL ANGLE OF ATTACK(DEG) = 6.00
FIN ANGLE(DEG) = -0.66
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.8023
247	0.8013
347	0.8023
447	0.8023
547	-0.1087
647	-0.1087
747	-0.1087

ORF	CP	ORF	CP	ORF	CP
1	-0.1417	52	-0.2787	102	-0.2967
2	-0.4407	53	-0.4437	103	-0.6817
3	-0.4177	54	-0.3587	104	-0.6567
4	-0.3207	55	-0.6207	105	-0.4707
5	-0.2537	56	-0.5667	110	-0.7557
6	-0.2177	57	-0.3727	111	-0.6867
7	-0.1957	58	-0.2177	112	-0.6237
8	-0.1827	59	-0.1687	113	-0.6567
9	-0.1727	60	-0.1727	114	-0.6537
10	-0.1727	61	-0.1967	115	-0.6367
11	-0.1727	62	-0.2287	116	-0.5657
12	-0.1787	63	-0.2837	117	-0.5417
13	-0.2037	64	-0.6087	118	-0.5427
14	-0.3037	65	-0.4997	119	-0.5897
15	-0.3217	66	-0.5927	120	-0.5677
16	-0.3327	67	-0.5847	121	-0.5897
17	-0.3177	68	-0.5187	122	-0.5897
18	-0.2817	69	-0.3837	123	-0.6257
19	-0.2477	70	-0.2557	124	-0.6077
20	-0.2197	71	-0.2097	125	-0.6027
21	-0.2027	72	-0.2347	126	-0.5977
22	-0.1897	73	-0.3137	127	-0.5977
23	-0.1867	74	-0.5987	128	-0.6337
24	-0.1837	75	-0.5787	129	-0.6037
25	-0.1897	76	-0.5877	135	-0.5757
26	-0.2017	77	-0.5507	136	-0.5857
27	-0.2387	78	-0.4667	137	-0.5867
28	-0.3227	79	-0.3777	138	-0.5247
29	-0.3307	80	-0.3477	139	-0.5257
30	-0.3927	81	-0.4277	140	-0.5247
32	-0.2237	82	-0.5567	141	-0.5157
33	-0.2077	83	-0.5017	142	-0.5167
34	-0.1957	84	-0.5887	143	-0.5157
35	-0.1887	85	-0.5757	145	-0.5857
36	-0.1867	86	-0.5297	147	-0.5157
37	-0.1907	87	-0.4617	151	-0.0567
38	-0.1987	88	-0.4517	152	-0.1947
39	-0.2157	89	-0.5097	153	-0.1887
40	-0.2597	90	-0.6097	154	-0.2057
41	-0.3337	91	-0.5887	155	-0.0477
42	-0.3317	92	-0.5307	156	-0.0287
43	-0.6207	93	-0.5037	157	-0.1167
44	-0.3977	94	-0.5157	158	0.0903
45	-0.2137	95	-0.4607	159	0.0323
46	-0.1597	96	-0.1677	160	-0.0077
47	-0.1607	97	-0.5037	161	-0.0817
48	-0.1697	98	0.1213	162	0.1633
49	-0.1857	99	0.0783	163	0.0843
50	-0.2027	100	-0.4067	164	-0.5257
51	-0.2297	101	-0.3357	165	-0.0867

ORF	CP	ORF	CP	ORF	CP
166	0.3143	217	-0.7087	268	-0.7437
167	0.1523	218	-0.6907	269	-0.6057
168	0.1403	219	-0.6797	270	-0.5827
169	0.0353	220	-0.6957	271	-0.8047
170	0.1353	221	-0.9177	272	-0.7837
171	0.0803	222	-0.9077	273	-0.5887
172	-0.0957	223	-0.6667	274	-0.5677
173	-0.0417	224	-0.6487	275	-0.4887
174	-0.1167	225	-0.4887	276	-0.5317
175	-0.2327	226	-0.5777	277	-0.6217
176	-0.2537	227	-1.0487	278	-1.0717
177	-0.2337	228	-1.0297	279	-1.0577
178	-0.3177	229	-0.9887	280	-1.0027
179	-0.2247	230	-0.8667	281	-0.8917
180	-0.2097	231	-0.7407	282	-0.7737
181	0.0603	232	-0.6997	283	-0.7377
182	0.1783	233	-0.6837	284	-0.7087
183	0.2753	234	-0.6897	285	-0.7187
184	0.4043	235	-0.7957	286	-0.8047
185	0.4563	236	-0.7917	287	-0.8137
186	0.5243	237	-0.6717	288	-0.5827
187	0.6503	238	-0.6297	289	-0.5317
188	0.8153	239	-0.4727	290	-0.5847
189	0.8953	240	-0.5347	291	-0.9327
190	-0.2167	241	-1.1497	292	-0.5297
191	-0.2187	242	-1.0987	325	0.0613
192	-0.2237	244	-0.9187	326	0.0613
193	-0.2367	245	-0.7777	327	0.0653
194	-0.2207	246	-0.7207	328	0.0623
195	-0.2157	247	-0.6977	329	0.0633
196	-0.2277	248	-0.6877	330	0.0633
197	-0.2107	249	-0.6937	331	0.0623
198	-0.2207	250	-0.5647	332	0.0663
199	-0.2177	251	-0.7167	333	0.0623
200	-0.2147	252	-0.6967	334	0.0633
201	-0.2107	253	-0.4997	335	0.0643
202	-0.2017	254	-0.5857	336	0.0613
203	-0.2087	255	-1.1267	337	0.0613
204	-0.2007	256	-1.0877	338	0.0613
205	-0.4997	257	-1.0357	339	0.0653
206	-0.4777	258	-0.9307	340	0.0623
207	-0.4927	259	-0.7887	341	0.0623
208	-0.4907	260	-0.7317	350	-0.5837
210	-0.4987	261	-0.7097	351	-0.5647
211	-0.4957	262	-0.7037	352	-0.5657
212	-0.5787	263	-0.7857	353	-0.5637
213	-1.0477	264	-0.7197	354	-0.5637
214	-0.9457	265	-0.5947	355	-0.5637
215	-0.8837	266	-0.5817		
216	-0.7817	267	-0.7917		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 380

TUNNEL = 11

TEST NO. = 086

TEST PHASE = 2

RUN NUMBER = 14.

CONFIGURATION NO. = 3.

ANGLE OF MODEL ROLL(DEG) = 0.

MACH NUMBER = 0.952

TUNNEL DYNAMIC PRESSURE(PSF) = 677.

TUNNEL STAGNATION PRESSURE(PSF) = 1912.

TUNNEL STATIC PRESSURE(PSF) = 1067.

REYNOLDS NUMBER PER FOOT = 3.9910E 06

MODEL ANGLE OF ATTACK(DEG) = 7.94

FIN ANGLE(DEG) = -0.37

FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCAN VALUE	CP(REF)
147	0.8059
247	0.8049
347	0.8059
447	0.8059
547	0.8089
647	0.8079
747	0.8079

ORF	CP	ORF	CP	ORF	CP
1	-0.2521	52	-0.3091	102	-0.3351
2	-0.4971	53	-0.4671	103	-0.7541
3	-0.4481	54	-0.3981	104	-0.7421
4	-0.3411	55	-0.6981	105	-0.5521
5	-0.2741	56	-0.6811	110	-0.2371
6	-0.2351	57	-0.5731	111	-0.2521
7	-0.2161	58	-0.4051	112	-0.1601
8	-0.2061	59	-0.2761	113	-0.0911
9	-0.2021	60	-0.2221	114	-0.0901
10	-0.2021	61	-0.2191	115	-0.0651
11	-0.2031	62	-0.2501	116	0.0749
12	-0.2121	63	-0.3051	117	0.0999
13	-0.2351	64	-0.6061	118	0.1099
14	-0.3331	65	-0.5331	119	0.0329
15	-0.3561	66	-0.6811	120	0.0579
16	-0.4631	67	-0.6961	121	0.0179
17	-0.3911	68	-0.6701	122	0.0189
18	-0.3411	69	-0.5981	123	-0.0391
19	-0.2921	70	-0.4731	124	-0.0131
20	-0.2671	71	-0.3691	125	-0.0041
21	-0.2411	72	-0.3081	126	0.0039
22	-0.2221	73	-0.3411	127	0.0039
23	-0.2141	74	-0.5921	128	-0.0521
24	-0.2131	75	-0.6711	129	-0.0091
25	-0.2161	76	-0.6861	135	0.0399
26	-0.2321	77	-0.6891	136	0.0289
27	-0.2631	78	-0.6641	137	0.0419
28	-0.3541	79	-0.6061	138	0.1149
29	-0.3641	80	-0.5601	139	0.1179
30	-0.5591	81	-0.5551	140	0.1189
32	-0.2811	82	-0.5941	141	0.1419
33	-0.2481	83	-0.5811	142	0.1399
34	-0.2361	84	-0.6961	143	0.1409
35	-0.2241	85	-0.7071	145	0.0269
36	-0.2251	86	-0.7001	147	0.1409
37	-0.2251	87	-0.6701	151	-0.1251
38	-0.2321	88	-0.6401	152	-0.2051
39	-0.2501	89	-0.5761	153	-0.2151
40	-0.2841	90	-0.7201	154	-0.2201
41	-0.3691	91	-0.6821	155	-0.0191
42	-0.3701	92	-0.6511	156	-0.0911
43	-0.7081	93	-0.6521	157	-0.1521
44	-0.5601	94	-0.6471	158	0.0889
45	-0.3691	95	-0.5221	159	0.0079
46	-0.2511	96	-0.1721	160	-0.0381
47	-0.2061	97	-0.5251	161	-0.0941
48	-0.2041	98	0.1409	162	0.1819
49	-0.2201	99	0.1149	163	0.0779
50	-0.2351	100	-0.4131	164	0.1209
51	-0.2671	101	-0.3761	165	-0.0951

ORF	CP	ORF	CP	ORF	CP
166	0.3459	217	-0.1881	268	-0.2451
167	0.1789	218	-0.1611	269	-0.0221
168	0.1569	219	-0.1471	270	0.0189
169	0.0549	220	-0.1761	271	-0.3551
170	0.1679	221	-0.5191	272	-0.3131
171	0.1059	222	-0.5041	273	0.0079
172	-0.0881	223	-0.1271	274	0.0509
173	-0.0451	224	-0.0981	275	0.1469
174	-0.1251	225	0.1479	276	0.0549
175	-0.2651	226	0.0099	277	-0.0761
176	-0.2591	227	-0.7051	278	-0.7791
177	-0.2861	228	-0.6701	279	-0.7231
178	-0.3281	229	-0.6071	280	-0.6371
179	-0.2351	230	-0.4441	281	-0.4661
180	-0.2211	231	-0.2361	282	-0.2931
181	-0.0081	232	-0.1741	283	-0.2341
182	0.1149	233	-0.1591	284	-0.1991
183	0.3449	234	-0.1621	285	-0.2161
184	0.5369	235	-0.3331	286	-0.3651
185	0.6069	236	-0.3011	287	-0.3601
186	0.6819	237	-0.1081	288	0.0199
187	0.8119	238	-0.0431	289	0.1379
188	0.9209	239	0.1239	290	-0.0111
189	0.9699	240	0.0369	291	-0.5061
190	-0.2351	241	-0.7381	292	0.1709
191	-0.2381	242	-0.6971	325	0.0629
192	-0.2291	244	-0.4731	326	0.0609
193	-0.2431	245	-0.2711	327	0.0639
194	-0.2341	246	-0.2101	328	0.0629
195	-0.2451	247	-0.1881	329	0.0619
196	-0.2351	248	-0.1781	330	0.0619
197	-0.2181	249	-0.1791	331	0.0609
198	-0.2221	250	0.0669	332	0.0649
199	-0.2261	251	-0.1961	333	0.0649
200	-0.2381	252	-0.1701	334	0.0629
201	-0.2191	253	0.0779	335	0.0639
202	-0.2071	254	-0.0541	336	0.0619
203	-0.2211	255	-0.7671	337	0.0629
204	-0.2211	256	-0.7171	338	0.0609
205	0.1349	257	-0.6321	339	0.0639
206	0.1709	258	-0.4651	340	0.0629
207	0.1379	259	-0.2881	341	0.0619
208	0.1299	260	-0.2341	350	0.0279
210	0.1259	261	-0.2071	351	0.0669
211	0.1469	262	-0.1971	352	0.0669
212	0.0229	263	-0.3181	353	0.0679
213	-0.6961	264	-0.2171	354	0.0689
214	-0.5481	265	-0.0281	355	0.0669
215	-0.4601	266	-0.0001		
216	-0.2781	267	-0.3341		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 381
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 14.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.948
TUNNEL DYNAMIC PRESSURE(PSF) = 673.
TUNNEL STAGNATION PRESSURE(PSF) = 1910.
TUNNEL STATIC PRESSURE(PSF) = 1071.
REYNOLDS NUMBER PER FOOT = 3.9800E 06
MODEL ANGLE OF ATTACK(DEG) = 11.96
FIN ANGLE(DEG) = -0.19
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.8046
247	0.8036
347	0.8046
447	0.8046
547	0.7996
647	0.7996
747	0.7986

ORF	CP	ORF	CP	ORF	CP
1	-0.2364	52	-0.3834	102	-0.3584
2	-0.5954	53	-0.4924	103	-0.7474
3	-0.6004	54	-0.4134	104	-0.7344
4	-0.4434	55	-0.8514	105	-0.5994
5	-0.3684	56	-0.7874	110	-0.1674
6	-0.3234	57	-0.5774	111	-0.1984
7	-0.2964	58	-0.4274	112	-0.1324
8	-0.2774	59	-0.3434	113	-0.1704
9	-0.2714	60	-0.3234	114	-0.1534
10	-0.2674	61	-0.3324	115	-0.1364
11	-0.2634	62	-0.3594	116	0.0326
12	-0.2644	63	-0.4074	117	0.0916
13	-0.2874	64	-0.5864	118	0.0876
14	-0.3844	65	-0.5724	119	0.0056
15	-0.3914	66	-0.8524	120	0.0366
16	-0.4784	67	-0.8704	121	-0.0254
17	-0.4584	68	-0.8464	122	-0.0264
18	-0.3954	69	-0.7104	123	-0.0304
19	-0.3594	70	-0.5374	124	-0.0634
20	-0.3224	71	-0.4294	125	-0.0394
21	-0.3074	72	-0.3974	126	-0.0344
22	-0.2914	73	-0.4394	127	-0.0354
23	-0.2824	74	-0.5964	128	-0.0774
24	-0.2794	75	-0.8284	129	-0.0094
25	-0.2844	76	-0.8734	135	0.0006
26	-0.2884	77	-0.8974	136	-0.0094
27	-0.3184	78	-0.8834	137	0.0026
28	-0.4004	79	-0.8174	138	0.0846
29	-0.3944	80	-0.7004	139	0.0876
30	-0.5304	81	-0.7044	140	0.0916
32	-0.3444	82	-0.6644	141	0.1486
33	-0.3214	83	-0.7114	142	0.1316
34	-0.3104	84	-0.8664	143	0.1426
35	-0.2984	85	-0.9044	145	-0.0134
36	-0.2934	86	-0.9274	147	0.1296
37	-0.2914	87	-0.8994	151	-0.1664
38	-0.2924	88	-0.8274	152	-0.2444
39	-0.3104	89	-0.6994	153	-0.2404
40	-0.3394	90	-0.8554	154	-0.2394
41	-0.4074	91	-0.8514	155	-0.0894
42	-0.3924	92	-0.8554	156	-0.1334
43	-0.7384	93	-0.8574	157	-0.1894
44	-0.5164	94	-0.7974	158	0.0636
45	-0.3734	95	-0.6394	159	-0.0544
46	-0.3184	96	-0.3484	160	-0.0904
47	-0.3034	97	-0.4904	161	-0.1434
48	-0.3064	98	0.0766	162	0.0916
49	-0.3074	99	0.1196	163	0.0026
50	-0.3204	100	-0.4004	164	0.0896
51	-0.3464	101	-0.3974	165	-0.1374

ORF	CP	ORF	CP	ORF	CP
166	0.2076	217	-0.3654	268	-0.2734
167	0.0416	218	-0.2374	269	-0.0674
168	0.0216	219	-0.1754	270	-0.0094
169	-0.0564	220	-0.1854	271	-0.3794
170	-0.0064	221	-0.6174	272	-0.3184
171	-0.0424	222	-0.6294	273	-0.0434
172	-0.1574	223	-0.1894	274	-0.0054
173	-0.0784	224	-0.1254	275	0.1306
174	-0.1364	225	0.1766	276	0.0376
175	-0.2034	226	0.0416	277	-0.0994
176	-0.2364	227	-1.2034	278	-0.9634
177	-0.3324	228	-1.1124	279	-0.9024
178	-0.3944	229	-1.0014	280	-0.7914
179	-0.3084	230	-0.7774	281	-0.5924
180	-0.2234	231	-0.3694	282	-0.3874
181	-0.0504	232	-0.2394	283	-0.3204
182	0.0836	233	-0.1934	284	-0.2654
183	0.2616	234	-0.1764	285	-0.2724
184	0.4116	235	-0.4194	286	-0.3854
185	0.4726	236	-0.3604	287	-0.3694
186	0.4436	237	-0.1404	288	-0.0424
187	0.4226	238	-0.0564	289	0.0566
188	0.4346	239	0.1276	290	-0.0604
189	0.4626	240	0.0276	291	-0.4284
190	-0.2404	241	-1.0744	292	0.2316
191	-0.2784	242	-1.0104	325	0.0526
192	-0.2624	244	-0.7074	326	0.0546
193	-0.2644	245	-0.4074	327	0.0536
194	-0.2794	246	-0.2794	328	0.0526
195	-0.2744	247	-0.2374	329	0.0516
196	-0.2554	248	-0.2194	330	0.0496
197	-0.2434	249	-0.2284	331	0.0546
198	-0.2634	250	0.0516	332	0.0546
199	-0.2594	251	-0.2144	333	0.0536
200	-0.2724	252	-0.2114	334	0.0526
201	-0.2534	253	0.0246	335	0.0516
202	-0.2304	254	-0.1144	336	0.0526
203	-0.2444	255	-0.9034	337	0.0526
204	-0.2584	256	-0.8564	338	0.0546
205	0.0396	257	-0.8044	339	0.0526
206	0.0776	258	-0.6194	340	0.0526
207	0.0476	259	-0.3914	341	0.0506
208	0.0196	260	-0.3094	350	-0.0014
210	0.0916	261	-0.2664	351	0.0496
211	0.1936	262	-0.2504	352	0.0516
212	0.0666	263	-0.3644	353	0.0506
213	-0.9894	264	-0.2634	354	0.0496
214	-0.8474	265	-0.0804	355	0.0506
215	-0.7384	266	-0.0514		
216	-0.5764	267	-0.3774		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 382
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 14.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.953
TUNNEL DYNAMIC PRESSURE(PSF) = 677.
TUNNEL STAGNATION PRESSURE(PSF) = 1910.
TUNNEL STATIC PRESSURE(PSF) = 1064.
REYNOLDS NUMBER PER FOOT = 3.9850E 06
MODEL ANGLE OF ATTACK(DEG) = 14.15
FIN ANGLE(DEG) = -0.46
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.8114
247	0.8104
347	0.8114
447	0.8114
547	0.8154
647	0.8154
747	0.8164

ORF	CP	ORF	CP	ORF	CP
1	-0.2336	52	-0.3866	102	-0.3546
2	-0.6186	53	-0.4856	103	-0.7016
3	-0.7006	54	-0.4276	104	-0.6976
4	-0.4996	55	-0.8216	105	-0.5856
5	-0.3926	56	-0.7356	110	-0.0846
6	-0.3466	57	-0.5866	111	-0.1486
7	-0.3166	58	-0.4576	112	-0.0956
8	-0.2986	59	-0.3806	113	-0.1806
9	-0.2886	60	-0.3486	114	-0.1586
10	-0.2786	61	-0.3576	115	-0.1666
11	-0.2766	62	-0.3766	116	0.0264
12	-0.2786	63	-0.4256	117	0.0794
13	-0.2966	64	-0.5746	118	0.1074
14	-0.3896	65	-0.5786	119	0.0294
15	-0.3956	66	-0.8406	120	0.0434
16	-0.5166	67	-0.8606	121	-0.0346
17	-0.5526	68	-0.8006	122	-0.0386
18	-0.4456	69	-0.6876	123	-0.0386
19	-0.3786	70	-0.5976	124	-0.0566
20	-0.3476	71	-0.5026	125	-0.0326
21	-0.3226	72	-0.4676	126	-0.0176
22	-0.3046	73	-0.4806	127	-0.0236
23	-0.2966	74	-0.6026	128	-0.0826
24	-0.2906	75	-0.8576	129	0.0054
25	-0.2856	76	-0.8996	135	0.0004
26	-0.2976	77	-0.9186	136	-0.0036
27	-0.3286	78	-0.8606	137	0.0024
28	-0.4126	79	-0.8176	138	0.1004
29	-0.3966	80	-0.7346	139	0.0944
30	-0.5886	81	-0.7326	140	0.0994
32	-0.3646	82	-0.6836	141	0.1774
33	-0.3396	83	-0.7386	142	0.1764
34	-0.3256	84	-0.9156	143	0.1514
35	-0.3066	85	-0.9576	145	-0.0216
36	-0.2966	86	-0.9656	147	0.1854
37	-0.2956	87	-0.9446	151	-0.1726
38	-0.2966	88	-0.8486	152	-0.2396
39	-0.3176	89	-0.6986	153	-0.2346
40	-0.3436	90	-0.8956	154	-0.2386
41	-0.4106	91	-0.9166	155	-0.0936
42	-0.4026	92	-0.8986	156	-0.1456
43	-0.7536	93	-0.8676	157	-0.1816
44	-0.5566	94	-0.8436	158	0.0544
45	-0.4226	95	-0.6926	159	-0.0586
46	-0.3426	96	-0.3336	160	-0.1076
47	-0.3186	97	-0.4676	161	-0.1466
48	-0.3186	98	0.0744	162	0.0744
49	-0.3146	99	0.1314	163	-0.0156
50	-0.3336	100	-0.3916	164	0.0944
51	-0.3566	101	-0.4006	165	-0.1366

ORF	CP	ORF	CP	ORF	CP
166	0.1864	217	-0.4426	268	-0.2766
167	0.0344	218	-0.3086	269	-0.0716
168	0.0064	219	-0.1766	270	-0.0126
169	-0.0686	220	-0.1796	271	-0.3876
170	-0.0256	221	-0.6336	272	-0.3126
171	-0.0406	222	-0.6286	273	-0.0506
172	-0.1446	223	-0.2056	274	-0.0096
173	-0.0706	224	-0.1326	275	0.1424
174	-0.1306	225	0.1834	276	0.0524
175	-0.1956	226	0.0494	277	-0.0926
176	-0.2386	227	-1.1966	278	-1.0756
177	-0.3396	228	-1.1116	279	-0.9926
178	-0.4106	229	-0.9886	280	-0.8616
179	-0.3086	230	-0.7556	281	-0.6776
180	-0.2136	231	-0.4966	282	-0.4256
181	-0.0246	232	-0.2876	283	-0.3446
182	0.0864	233	-0.1936	284	-0.2786
183	0.2074	234	-0.1616	285	-0.2766
184	0.3314	235	-0.4346	286	-0.3896
185	0.3724	236	-0.3556	287	-0.3636
186	0.3454	237	-0.1366	288	-0.0546
187	0.3454	238	-0.0506	289	0.0564
188	0.3974	239	0.1154	290	-0.0586
189	0.4324	240	0.0234	291	-0.3606
190	-0.2246	241	-1.1256	292	0.2924
191	-0.2716	242	-1.0666	325	0.0564
192	-0.2456	244	-0.7656	326	0.0554
193	-0.2596	245	-0.4286	327	0.0564
194	-0.2826	246	-0.2896	328	0.0554
195	-0.2766	247	-0.2376	329	0.0574
196	-0.2516	248	-0.2106	330	0.0564
197	-0.2346	249	-0.2226	331	0.0554
198	-0.2436	250	0.0644	332	0.0574
199	-0.2446	251	-0.2146	333	0.0574
200	-0.2716	252	-0.2046	334	0.0574
201	-0.2556	253	0.0274	335	0.0574
202	-0.2136	254	-0.1146	336	0.0564
203	-0.2356	255	-0.9946	337	0.0574
204	-0.2616	256	-0.9566	338	0.0554
205	0.0394	257	-0.8666	339	0.0564
206	0.0844	258	-0.6846	340	0.0574
207	0.0414	259	-0.4306	341	0.0584
208	0.0234	260	-0.3266	350	0.0174
210	0.0824	261	-0.2746	351	0.0614
211	0.1994	262	-0.2586	352	0.0624
212	0.0714	263	-0.3796	353	0.0624
213	-0.9326	264	-0.2686	354	0.0654
214	-0.7746	265	-0.0796	355	0.0624
215	-0.6786	266	-0.0506		
216	-0.5726	267	-0.3756		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 383
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 14.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.951
TUNNEL DYNAMIC PRESSURE(PSF) = 676.
TUNNEL STAGNATION PRESSURE(PSF) = 1911.
TUNNEL STATIC PRESSURE(PSF) = 1067.
REYNOLDS NUMBER PER FOOT = 3.9890E 06
MODEL ANGLE OF ATTACK(DEG) = 0.13
FIN ANGLE(DEG) = -0.63
FREE*STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.8086
247	0.8076
347	0.8086
447	0.8086
547	0.8106
647	0.8106
747	0.8106

ORF	CP	ORF	CP	ORF	CP
1	0.1046	52	-0.1104	102	-0.2254
2	-0.3804	53	-0.3684	103	-0.5944
3	-0.4154	54	-0.3914	104	-0.5914
4	-0.2734	55	0.1046	105	-0.3884
5	-0.1664	56	0.0816	110	-0.2214
6	-0.0854	57	0.0696	111	-0.1054
7	-0.0334	58	0.0476	112	-0.0254
8	-0.0074	59	0.0266	113	-0.0514
9	0.0076	60	0.0046	114	-0.0614
10	0.0076	61	-0.0294	115	-0.0594
11	0.0036	62	-0.0754	116	0.0526
12	-0.0124	63	-0.1524	117	0.0796
13	-0.0454	64	-0.5654	118	0.0826
14	-0.1884	65	-0.5264	119	0.0546
15	-0.2314	66	0.0976	120	0.0596
16	-0.2174	67	0.0716	121	0.0496
17	-0.1874	68	0.0486	122	0.0486
18	-0.1094	69	0.0206	123	-0.0534
19	-0.0604	70	-0.0124	124	0.0186
20	-0.0204	71	-0.0504	125	0.0266
21	0.0016	72	-0.1074	126	0.0476
22	0.0166	73	-0.2054	127	0.0366
23	0.0196	74	-0.5724	128	-0.0684
24	0.0176	75	0.0906	129	-0.0124
25	0.0076	76	0.0466	135	0.0656
26	-0.0164	77	0.0096	136	0.0626
27	-0.0624	78	-0.0334	137	0.0636
28	-0.2054	79	-0.0824	138	0.1396
29	-0.2734	80	-0.1414	139	0.1406
30	-0.0354	81	-0.2804	140	0.1406
32	-0.0004	82	-0.5874	141	0.1446
33	0.0186	83	0.0646	142	0.1446
34	0.0256	84	0.0076	143	0.1436
35	0.0316	85	-0.0494	145	0.0606
36	0.0306	86	-0.0954	147	0.1436
37	0.0206	87	-0.1474	151	-0.0214
38	0.0076	88	-0.2464	152	-0.2384
39	-0.0204	89	-0.5994	153	-0.2234
40	-0.0714	90	-0.0424	154	-0.2894
41	-0.1974	91	-0.0724	155	-0.0184
42	-0.3054	92	-0.1124	156	0.1086
43	0.0706	93	-0.1574	157	-0.0764
44	0.0626	94	-0.2324	158	0.3666
45	0.0566	95	-0.5954	159	0.2616
46	0.0506	96	-0.3984	160	0.1976
47	0.0426	97	-0.5324	161	0.0756
48	0.0316	98	0.0446	162	0.3566
49	0.0136	99	-0.0004	163	0.2906
50	-0.0104	100	-0.2634	164	0.1396
51	-0.0484	101	-0.2534	165	0.0066

ORF	CP	ORF	CP	ORF	CP
166	0.4256	217	-0.0874	268	-0.1724
167	0.2916	218	-0.0254	269	0.1486
168	0.2336	219	-0.0054	270	0.2196
169	0.0826	220	-0.0344	271	-0.2314
170	0.1466	221	-0.4994	272	-0.2684
171	0.1806	222	-0.4544	273	0.0876
172	-0.0824	223	0.0136	274	0.1776
173	0.0176	224	0.0196	275	0.3746
174	-0.0974	225	0.2686	276	0.3766
175	-0.2534	226	0.1116	277	0.2096
176	-0.2944	227	-0.6094	278	-0.7924
177	-0.2424	228	-0.5674	279	-0.7184
178	-0.4034	229	-0.5024	280	-0.6294
179	-0.4244	230	-0.3284	281	-0.4714
180	-0.2324	231	-0.1114	282	-0.2124
181	0.3326	232	-0.0414	283	-0.0624
182	0.4786	233	-0.0134	284	0.0206
183	0.4666	234	-0.0214	285	-0.0154
184	0.6556	235	-0.2224	286	-0.2454
185	0.7326	236	-0.2854	287	-0.3024
186	0.7976	237	-0.0784	288	0.0496
187	0.8526	238	-0.0094	289	0.2076
188	0.9086	239	0.2516	290	0.1716
189	0.9446	240	0.1446	291	-0.4944
190	-0.2234	241	-0.5674	292	0.0076
191	-0.2124	242	-0.5444	325	0.0596
192	-0.2334	244	-0.2864	326	0.0586
193	-0.2334	245	-0.1044	327	0.0556
194	-0.2154	246	-0.0514	328	0.0576
195	-0.2134	247	-0.0184	329	0.0566
196	-0.2474	248	-0.0114	330	0.0556
197	-0.2214	249	-0.0444	331	0.0586
198	-0.2164	250	0.0616	332	0.0576
199	-0.2184	251	-0.2014	333	0.0586
200	-0.2114	252	-0.0774	334	0.0576
201	-0.1994	253	0.2926	335	0.0566
202	-0.2034	254	0.1436	336	0.0566
203	-0.2044	255	-0.6284	337	0.0586
204	-0.1984	256	-0.6204	338	0.0566
205	0.2586	257	-0.5884	339	0.0556
206	0.2816	258	-0.4774	340	0.0576
207	0.2866	259	-0.2134	341	0.0556
208	0.2856	260	-0.0504	350	0.0506
210	0.3206	261	0.0116	351	0.0596
211	0.3236	262	0.0106	352	0.0606
212	0.1786	263	-0.1814	353	0.0616
213	-0.7294	264	-0.1054	354	0.0616
214	-0.6044	265	0.1586	355	0.0616
215	-0.5084	266	0.1976		
216	-0.2994	267	-0.1974		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 399
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 13.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.900
TUNNEL DYNAMIC PRESSURE(PSF) = 653.
TUNNEL STAGNATION PRESSURE(PSF) = 1946.
TUNNEL STATIC PRESSURE(PSF) = 1151.
REYNOLDS NUMBER PER FOOT = 3.9860E 06
MODEL ANGLE OF ATTACK(DEG) = -14.20
FIN ANGLE(DEG) = -0.30
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.7104
247	0.7094
347	0.7104
447	0.7104
547	0.7084
647	0.7084
747	0.7074

ORF	CP	ORF	CP	ORF	CP
1	0.4534	52	0.1004	102	-0.1646
2	0.2094	53	-0.1816	103	-0.6376
3	0.2824	54	-0.1306	104	-0.5516
4	0.3314	55	0.5934	105	-0.4066
5	0.3524	56	0.5174	110	-0.0636
6	0.3644	57	0.4564	111	-0.0726
7	0.3634	58	0.4034	112	-0.0506
8	0.3554	59	0.3604	113	-0.0906
9	0.3424	60	0.3064	114	-0.2526
10	0.3214	61	0.2384	115	0.0524
11	0.2974	62	0.1594	116	0.0674
12	0.2634	63	0.0434	117	0.0634
13	0.2094	64	-0.2456	118	0.0594
14	-0.0076	65	-0.2256	119	-0.0136
15	-0.0836	66	0.5684	120	-0.0336
16	0.4934	67	0.4834	121	-0.0816
17	0.4544	68	0.4144	122	-0.0816
18	0.4424	69	0.3504	123	-0.1746
19	0.4214	70	0.2834	124	-0.1306
20	0.4074	71	0.2184	125	-0.1046
21	0.3954	72	0.1224	126	-0.0786
22	0.3774	73	-0.0326	127	-0.0896
23	0.3514	74	-0.2616	128	-0.1866
24	0.3224	75	0.5364	129	-0.1136
25	0.2944	76	0.4334	135	-0.0496
26	0.2504	77	0.3454	136	-0.0686
27	0.1744	78	0.2554	137	-0.0456
28	-0.0176	79	0.1574	138	0.0614
29	-0.1136	80	0.0524	139	0.0544
30	0.5654	81	-0.1546	140	0.0704
32	0.4774	82	-0.2716	141	0.1824
33	0.4514	83	0.4394	142	0.1904
34	0.4204	84	0.3634	143	0.1874
35	0.3944	85	0.2474	145	-0.0646
36	0.3634	86	0.1354	147	0.1914
37	0.3314	87	0.0224	151	0.0834
38	0.2914	88	-0.1456	152	-0.1926
39	0.2374	89	-0.3146	153	-0.1896
40	0.1564	90	0.3504	154	-0.3146
41	-0.0126	91	0.1624	155	0.0614
42	-0.1226	92	0.0544	156	0.2374
43	0.5884	93	-0.0366	157	0.0014
44	0.5244	94	-0.1536	158	0.6194
45	0.4764	95	-0.2536	159	0.3414
46	0.4394	96	-0.8966	160	0.2934
47	0.4054	97	-0.3886	161	0.1344
48	0.3624	98	-0.9826	162	0.5074
49	0.3164	99	-0.5656	163	0.3554
50	0.2644	100	-0.3866	164	0.0484
51	0.1984	101	-0.2306	165	0.0244

ORF	CP	ORF	CP	ORF	CP
166	0.3454	217	-0.1176	268	-0.0286
167	0.2574	218	0.1044	269	0.3664
168	0.1714	219	0.2064	270	0.5014
169	-0.0026	220	0.1514	271	-0.1916
170	0.3184	221	-0.3476	272	-0.1186
171	0.0744	222	-0.3156	273	0.3534
172	-0.1466	223	0.1554	274	0.4234
173	0.1054	224	0.1414	275	0.4784
174	-0.0166	225	0.4914	276	0.6114
175	-0.2466	226	0.3094	277	0.4824
176	-0.3516	227	-0.3956	278	-0.2916
177	-0.2026	228	-0.3976	279	-0.1496
178	-0.3756	229	-0.3966	280	0.0534
179	-0.3636	230	-0.3396	281	0.2594
180	-0.2736	231	-0.0756	282	0.3504
181	0.5114	232	0.1324	283	0.3514
182	0.6714	233	0.2034	284	0.3344
183	0.2684	234	0.1694	285	0.2224
184	0.3854	235	-0.0606	286	-0.2216
185	0.5174	236	-0.1026	287	-0.1106
186	0.6824	237	0.0794	288	0.2184
187	0.8804	238	0.1474	289	0.2234
188	1.0374	239	0.5344	290	0.4074
189	1.0944	240	0.4244	291	-1.0306
190	-0.2546	241	-0.4486	292	-0.2946
191	-0.2496	242	-0.4296	325	-0.0206
192	-0.2776	244	-0.1946	326	-0.0216
193	-0.2686	245	0.1024	327	-0.0216
194	-0.2496	246	0.1954	328	-0.0216
195	-0.2706	247	0.2284	329	-0.0206
196	-0.2656	248	0.2144	330	-0.0206
197	-0.2636	249	0.1674	331	-0.0216
198	-0.2556	250	-0.0186	332	-0.0216
199	-0.2566	251	-0.2396	333	-0.0206
200	-0.2466	252	0.0374	334	-0.0196
201	-0.2426	253	0.5844	335	-0.0196
202	-0.2586	254	0.4214	336	-0.0196
203	-0.2516	255	-0.2886	337	-0.0196
204	-0.2466	256	-0.2596	338	-0.0216
205	-0.0586	257	-0.2146	339	-0.0216
206	0.0154	258	-0.0306	340	-0.0216
207	-0.0206	259	0.2074	341	-0.0216
208	0.1224	260	0.2684	350	-0.0126
210	0.6744	261	0.2724	351	-0.0206
211	0.5194	262	0.2374	352	-0.0196
212	0.3494	263	-0.0246	353	-0.0206
213	-0.3936	264	0.0334	354	-0.0206
214	-0.3746	265	0.3514	355	-0.0206
215	-0.3766	266	0.4314		
216	-0.3376	267	-0.0716		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 400
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 13.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.896
TUNNEL DYNAMIC PRESSURE(PSF) = 650.
TUNNEL STAGNATION PRESSURE(PSF) = 1946.
TUNNEL STATIC PRESSURE(PSF) = 1156.
REYNOLDS NUMBER PER FOOT = 3.9820E 06
MODEL ANGLE OF ATTACK(DEG) = -12.09
FIN ANGLE(DEG) = -0.54
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.7055
247	0.7045
347	0.7055
447	0.7065
547	0.6995
647	0.6995
747	0.6985

ORF	CP	ORF	CP	ORF	CP
1	0.3745	52	0.0595	102	-0.1675
2	0.1065	53	-0.2315	103	-0.6135
3	0.1695	54	-0.1585	104	-0.5605
4	0.2365	55	0.5295	105	-0.4055
5	0.2745	56	0.4565	110	-0.0805
6	0.2915	57	0.3995	111	-0.0875
7	0.2965	58	0.3545	112	-0.0665
8	0.2885	59	0.3115	113	-0.0995
9	0.2785	60	0.2595	114	-0.2235
10	0.2685	61	0.1895	115	0.0155
11	0.2435	62	0.1165	116	0.0405
12	0.2115	63	0.0005	117	0.0355
13	0.1625	64	-0.2945	118	0.0445
14	-0.0485	65	-0.2605	119	-0.0135
15	-0.1155	66	0.5125	120	-0.0325
16	0.3915	67	0.4285	121	-0.0705
17	0.3605	68	0.3615	122	-0.0705
18	0.3525	69	0.2945	123	-0.1755
19	0.3475	70	0.2335	124	-0.1065
20	0.3375	71	0.1725	125	-0.0965
21	0.3255	72	0.0755	126	-0.0705
22	0.3135	73	-0.0765	127	-0.0835
23	0.2945	74	-0.2965	128	-0.1875
24	0.2695	75	0.4795	129	-0.1145
25	0.2415	76	0.3765	135	-0.0385
26	0.2015	77	0.2925	136	-0.0445
27	0.1305	78	0.2045	137	-0.0335
28	-0.0615	79	0.1145	138	0.0685
29	-0.1395	80	0.0025	139	0.0635
30	0.4755	81	-0.1975	140	0.0725
32	0.4075	82	-0.3145	141	0.1495
33	0.3825	83	0.3935	142	0.1595
34	0.3525	84	0.3125	143	0.1545
35	0.3265	85	0.1985	145	-0.0335
36	0.3065	86	0.0905	147	0.1595
37	0.2745	87	-0.0225	151	0.0635
38	0.2385	88	-0.1855	152	-0.1865
39	0.1895	89	-0.3525	153	-0.2055
40	0.1085	90	0.2985	154	-0.3175
41	-0.0585	91	0.1175	155	0.1025
42	-0.1495	92	0.0125	156	0.2295
43	0.5245	93	-0.0695	157	-0.0045
44	0.4615	94	-0.1935	158	0.5875
45	0.4105	95	-0.2785	159	0.3295
46	0.3785	96	-0.8845	160	0.2865
47	0.3475	97	-0.3935	161	0.1255
48	0.3155	98	-1.1085	162	0.4885
49	0.2705	99	-0.5985	163	0.3595
50	0.2155	100	-0.3765	164	0.0645
51	0.1505	101	-0.2325	165	0.0315

ORF	CP	ORF	CP	ORF	CP
166	0.3215	217	-0.1825	268	-0.0555
167	0.2685	218	0.0495	269	0.3275
168	0.1985	219	0.1585	270	0.4525
169	0.0205	220	0.1095	271	-0.2035
170	0.3085	221	-0.4055	272	-0.1655
171	0.0795	222	-0.3475	273	0.3245
172	-0.1365	223	0.1185	274	0.3885
173	0.0925	224	0.1045	275	0.4675
174	-0.0245	225	0.4575	276	0.5495
175	-0.2555	226	0.2705	277	0.4115
176	-0.3415	227	-0.4725	278	-0.3885
177	-0.2045	228	-0.4735	279	-0.2825
178	-0.3775	229	-0.4615	280	-0.1095
179	-0.3495	230	-0.3995	281	0.1505
180	-0.2765	231	-0.1385	282	0.2605
181	0.4645	232	0.0685	283	0.2725
182	0.6255	233	0.1535	284	0.2715
183	0.2585	234	0.1235	285	0.1715
184	0.3575	235	-0.1025	286	-0.2255
185	0.4735	236	-0.1495	287	-0.1605
186	0.6815	237	0.0375	288	0.1925
187	0.9015	238	0.1105	289	0.1995
188	1.0795	239	0.5105	290	0.3575
189	1.1385	240	0.3895	291	-0.8515
190	-0.2475	241	-0.5225	292	-0.2865
191	-0.2385	242	-0.5085	325	-0.0225
192	-0.2635	244	-0.2745	326	-0.0225
193	-0.2665	245	0.0285	327	-0.0205
194	-0.2485	246	0.1345	328	-0.0225
195	-0.2575	247	0.1735	329	-0.0225
196	-0.2775	248	0.1645	330	-0.0205
197	-0.2625	249	0.1235	331	-0.0215
198	-0.2595	250	-0.0235	332	-0.0205
199	-0.2645	251	-0.2345	333	-0.0205
200	-0.2455	252	0.0115	334	-0.0205
201	-0.2455	253	0.5345	335	-0.0205
202	-0.2565	254	0.3685	336	-0.0205
203	-0.2565	255	-0.3705	337	-0.0225
204	-0.2535	256	-0.3455	338	-0.0225
205	0.0245	257	-0.3065	339	-0.0215
206	0.0875	258	-0.1205	340	-0.0225
207	0.0565	259	0.1215	341	-0.0215
208	0.1675	260	0.1965	350	-0.0205
210	0.6385	261	0.2175	351	-0.0215
211	0.4785	262	0.1875	352	-0.0235
212	0.3085	263	-0.0595	353	-0.0215
213	-0.4495	264	0.0005	354	-0.0235
214	-0.4365	265	0.3115	355	-0.0215
215	-0.4355	266	0.3865		
216	-0.3985	267	-0.0995		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 401
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 13.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.899
TUNNEL DYNAMIC PRESSURE(PSF) = 652.
TUNNEL STAGNATION PRESSURE(PSF) = 1946.
TUNNEL STATIC PRESSURE(PSF) = 1152.
REYNOLDS NUMBER PER FOOT = 3.9880E 06
MODEL ANGLE OF ATTACK(DEG) = -8.10
FIN ANGLE(DEG) = -0.65
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.7091
247	0.7081
347	0.7091
447	0.7091
547	0.7021
647	0.7011
747	0.7021

ORF	CP	ORF	CP	ORF	CP
1	0.2731	52	-0.0119	102	-0.1699
2	-0.0599	53	-0.3039	103	-0.5059
3	0.0041	54	-0.1969	104	-0.4949
4	0.0961	55	0.4211	105	-0.3349
5	0.1491	56	0.3551	110	-0.0829
6	0.1731	57	0.3151	111	-0.0859
7	0.1861	58	0.2671	112	-0.0639
8	0.1881	59	0.2231	113	-0.0889
9	0.1841	60	0.1751	114	-0.1669
10	0.1711	61	0.1171	115	-0.0129
11	0.1581	62	0.0501	116	0.0241
12	0.1321	63	-0.0559	117	0.0281
13	0.0881	64	-0.3829	118	0.0281
14	-0.1009	65	-0.2979	119	-0.0109
15	-0.1419	66	0.4091	120	0.0011
16	0.2261	67	0.3291	121	-0.0269
17	0.2111	68	0.2641	122	-0.0259
18	0.2121	69	0.2091	123	-0.1549
19	0.2171	70	0.1571	124	-0.0709
20	0.2191	71	0.0981	125	-0.0579
21	0.2171	72	0.0101	126	-0.0319
22	0.2081	73	-0.1339	127	-0.0479
23	0.1971	74	-0.3439	128	-0.1639
24	0.1841	75	0.3811	129	-0.0839
25	0.1581	76	0.2851	135	-0.0079
26	0.1271	77	0.2091	136	-0.0139
27	0.0631	78	0.1351	137	-0.0069
28	-0.1179	79	0.0561	138	0.0761
29	-0.1709	80	-0.0479	139	0.0881
30	0.3301	81	-0.2419	140	0.0921
32	0.2831	82	-0.3669	141	0.1221
33	0.2701	83	0.2991	142	0.1201
34	0.2501	84	0.2201	143	0.1181
35	0.2341	85	0.1091	145	-0.0109
36	0.2131	86	0.0121	147	0.1191
37	0.1881	87	-0.0829	151	0.0511
38	0.1621	88	-0.2369	152	-0.1799
39	0.1181	89	-0.4449	153	-0.1899
40	0.0461	90	0.2011	154	-0.2969
41	-0.1169	91	0.0291	155	0.1181
42	-0.1789	92	-0.0599	156	0.2071
43	0.4001	93	-0.1369	157	-0.0099
44	0.3451	94	-0.2429	158	0.5121
45	0.3081	95	-0.2279	159	0.3441
46	0.2841	96	-0.8769	160	0.2951
47	0.2571	97	-0.4609	161	0.1371
48	0.2211	98	-0.7339	162	0.4711
49	0.1841	99	-0.6579	163	0.3721
50	0.1391	100	-0.3959	164	0.0831
51	0.0781	101	-0.2169	165	0.0541

ORF	CP	ORF	CP	ORF	CP
166	0.3171	217	-0.2579	268	-0.1049
167	0.3171	218	-0.0469	269	0.2531
168	0.2581	219	0.0971	270	0.3511
169	0.0681	220	0.0571	271	-0.1839
170	0.3561	221	-0.4479	272	-0.2159
171	0.1361	222	-0.3879	273	0.2321
172	-0.0979	223	0.0681	274	0.3011
173	0.0951	224	0.0681	275	0.4191
174	-0.0049	225	0.4091	276	0.5051
175	-0.2449	226	0.2221	277	0.3401
176	-0.3209	227	-0.5529	278	-0.5109
177	-0.1899	228	-0.5509	279	-0.4509
178	-0.3659	229	-0.5399	280	-0.3099
179	-0.3379	230	-0.4799	281	-0.0259
180	-0.2419	231	-0.2209	282	0.1361
181	0.4061	232	-0.0199	283	0.1631
182	0.5571	233	0.0891	284	0.1761
183	0.3141	234	0.0711	285	0.1001
184	0.4581	235	-0.1499	286	-0.1999
185	0.6101	236	-0.2009	287	-0.2469
186	0.8021	237	-0.0089	288	0.1301
187	1.0191	238	0.0661	289	0.2051
188	1.1231	239	0.4621	290	0.2941
189	1.1451	240	0.3391	291	-0.6199
190	-0.2229	241	-0.6249	292	-0.2229
191	-0.2149	242	-0.6029	325	0.0091
192	-0.2289	244	-0.3709	326	0.0081
193	-0.2319	245	-0.0719	327	0.0101
194	-0.2149	246	0.0561	328	0.0091
195	-0.2199	247	0.1071	329	0.0081
196	-0.2509	248	0.1041	330	0.0081
197	-0.2349	249	0.0691	331	0.0101
198	-0.2289	250	0.0061	332	0.0101
199	-0.2339	251	-0.2189	333	0.0081
200	-0.2179	252	-0.0089	334	0.0091
201	-0.2129	253	0.4901	335	0.0081
202	-0.2269	254	0.3071	336	0.0111
203	-0.2229	255	-0.5109	337	0.0081
204	-0.2159	256	-0.4879	338	0.0081
205	0.1691	257	-0.4419	339	0.0091
206	0.1991	258	-0.2669	340	0.0091
207	0.1971	259	0.0111	341	0.0081
208	0.2471	260	0.1021	350	-0.0089
210	0.5771	261	0.1371	351	0.0081
211	0.4341	262	0.1241	352	0.0081
212	0.2621	263	-0.0979	353	0.0081
213	-0.5329	264	-0.0409	354	0.0071
214	-0.5229	265	0.2601	355	0.0071
215	-0.5109	266	0.3111		
216	-0.4719	267	-0.1209		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 402
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 13.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.898
TUNNEL DYNAMIC PRESSURE(PSF) = 651.
TUNNEL STAGNATION PRESSURE(PSF) = 1947.
TUNNEL STATIC PRESSURE(PSF) = 1154.
REYNOLDS NUMBER PER FOOT = 3.9900E 06
MODEL ANGLE OF ATTACK(DEG) = -6.02
FIN ANGLE(DEG) = -0.73
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.7053
247	0.7033
347	0.7043
447	0.7053
547	0.7053
647	0.7043
747	0.7043

ORF	CP	ORF	CP	ORF	CP
1	0.1953	52	-0.0527	102	-0.1987
2	-0.0877	53	-0.3597	103	-0.5087
3	-0.0347	54	-0.2267	104	-0.4887
4	0.0513	55	0.3513	105	-0.3147
5	0.0863	56	0.2873	110	-0.0777
6	0.1113	57	0.2523	111	-0.0877
7	0.1233	58	0.2003	112	-0.0607
8	0.1223	59	0.1643	113	-0.0827
9	0.1203	60	0.1203	114	-0.1507
10	0.1123	61	0.0703	115	-0.0227
11	0.1003	62	0.0013	116	0.0193
12	0.0753	63	-0.1057	117	0.0313
13	0.0333	64	-0.4557	118	0.0303
14	-0.1347	65	-0.3307	119	-0.0037
15	-0.1807	66	0.3353	120	0.0083
16	0.1463	67	0.2563	121	-0.0157
17	0.1353	68	0.2013	122	-0.0157
18	0.1443	69	0.1543	123	-0.1487
19	0.1473	70	0.1053	124	-0.0537
20	0.1543	71	0.0463	125	-0.0437
21	0.1503	72	-0.0327	126	-0.0147
22	0.1443	73	-0.1687	127	-0.0317
23	0.1343	74	-0.3787	128	-0.1517
24	0.1203	75	0.3093	129	-0.0717
25	0.1003	76	0.2213	135	0.0083
26	0.0693	77	0.1543	136	0.0023
27	0.0133	78	0.0843	137	0.0053
28	-0.1487	79	0.0043	138	0.0913
29	-0.2077	80	-0.0937	139	0.0943
30	0.2553	81	-0.2767	140	0.0963
32	0.2113	82	-0.4407	141	0.1243
33	0.2023	83	0.2363	142	0.1203
34	0.1823	84	0.1553	143	0.1173
35	0.1683	85	0.0583	145	0.0003
36	0.1563	86	-0.0347	147	0.1183
37	0.1353	87	-0.1247	151	0.0363
38	0.1083	88	-0.2587	152	-0.1757
39	0.0683	89	-0.4987	153	-0.1847
40	0.0013	90	0.1293	154	-0.2707
41	-0.1527	91	-0.0337	155	0.1063
42	-0.2157	92	-0.1127	156	0.1623
43	0.3273	93	-0.1847	157	-0.0307
44	0.2783	94	-0.2897	158	0.4673
45	0.2483	95	-0.3917	159	0.2873
46	0.2233	96	-0.6717	160	0.2463
47	0.1943	97	-0.4967	161	0.1093
48	0.1653	98	-0.4657	162	0.3793
49	0.1303	99	-0.5017	163	0.3133
50	0.0903	100	-0.4217	164	0.0963
51	0.0333	101	-0.2437	165	0.0283

ORF	CP	ORF	CP	ORF	CP
166	0.2833	217	-0.2707	268	-0.1147
167	0.2763	218	-0.0567	269	0.2163
168	0.2323	219	0.0633	270	0.3173
169	0.0553	220	0.0283	271	-0.2167
170	0.2943	221	-0.4597	272	-0.2307
171	0.1273	222	-0.4137	273	0.2063
172	-0.0867	223	0.0523	274	0.2693
173	0.0673	224	0.0533	275	0.3803
174	-0.0197	225	0.3653	276	0.4133
175	-0.2257	226	0.1853	277	0.2683
176	-0.2877	227	-0.6077	278	-0.4907
177	-0.1867	228	-0.5937	279	-0.4347
178	-0.3447	229	-0.5777	280	-0.2847
179	-0.3077	230	-0.4997	281	-0.0437
180	-0.2307	231	-0.2257	282	0.0813
181	0.3703	232	-0.0397	283	0.1043
182	0.5073	233	0.0513	284	0.1193
183	0.3333	234	0.0343	285	0.0543
184	0.5013	235	-0.1777	286	-0.2277
185	0.6233	236	-0.2227	287	-0.2647
186	0.7873	237	-0.0247	288	0.1323
187	0.9733	238	0.0413	289	0.1843
188	1.0803	239	0.4183	290	0.2473
189	1.1463	240	0.2963	291	-0.5537
190	-0.2077	241	-0.6547	292	-0.1807
191	-0.2007	242	-0.6347	325	0.0123
192	-0.2167	244	-0.4017	326	0.0133
193	-0.2167	245	-0.1017	327	0.0153
194	-0.2117	246	0.0103	328	0.0123
195	-0.2097	247	0.0633	329	0.0123
196	-0.2327	248	0.0663	330	0.0123
197	-0.2177	249	0.0353	331	0.0133
198	-0.2187	250	0.0113	332	0.0153
199	-0.2157	251	-0.1937	333	0.0133
200	-0.2127	252	-0.0327	334	0.0123
201	-0.2007	253	0.4073	335	0.0133
202	-0.2037	254	0.2433	336	0.0133
203	-0.2057	255	-0.5627	337	0.0123
204	-0.2037	256	-0.5227	338	0.0133
205	0.2063	257	-0.4597	339	0.0143
206	0.2363	258	-0.2687	340	0.0123
207	0.2293	259	-0.0167	341	0.0123
208	0.2573	260	0.0623	350	-0.0087
210	0.5273	261	0.0913	351	0.0143
211	0.4023	262	0.0773	352	0.0133
212	0.2263	263	-0.1227	353	0.0173
213	-0.5867	264	-0.0557	354	0.0123
214	-0.5737	265	0.2103	355	0.0153
215	-0.5647	266	0.2683		
216	-0.5137	267	-0.1517		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 403
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 13.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.900
TUNNEL DYNAMIC PRESSURE(PSF) = 653.
TUNNEL STAGNATION PRESSURE(PSF) = 1947.
TUNNEL STATIC PRESSURE(PSF) = 1151.
REYNOLDS NUMBER PER FOOT = 3.9910E 06
MODEL ANGLE OF ATTACK(DEG) = -4.01
FIN ANGLE(DEG) = -0.48
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCAN VALUE	CP(REF)
147	0.7094
247	0.7084
347	0.7094
447	0.7094
547	0.7104
647	0.7114
747	0.7114

ORF	CP	ORF	CP	ORF	CP
1	0.1184	52	-0.0766	102	-0.2056
2	-0.1216	53	-0.3746	103	-0.5176
3	-0.0726	54	-0.2516	104	-0.5026
4	0.0054	55	0.2714	105	-0.3126
5	0.0384	56	0.2214	110	-0.0736
6	0.0604	57	0.1884	111	-0.0866
7	0.0644	58	0.1464	112	-0.0556
8	0.0664	59	0.1114	113	-0.0856
9	0.0634	60	0.0744	114	-0.1256
10	0.0594	61	0.0274	115	-0.0346
11	0.0474	62	-0.0326	116	0.0254
12	0.0234	63	-0.1306	117	0.0264
13	-0.0116	64	-0.5826	118	0.0334
14	-0.1626	65	-0.3366	119	-0.0066
15	-0.1946	66	0.2604	120	0.0234
16	0.0844	67	0.1904	121	-0.0046
17	0.0644	68	0.1434	122	-0.0046
18	0.0804	69	0.0954	123	-0.1296
19	0.0864	70	0.0454	124	-0.0346
20	0.0914	71	-0.0056	125	-0.0216
21	0.0864	72	-0.0746	126	0.0014
22	0.0844	73	-0.1936	127	-0.0166
23	0.0754	74	-0.4206	128	-0.1326
24	0.0654	75	0.2344	129	-0.0556
25	0.0444	76	0.1664	135	0.0214
26	0.0154	77	0.1044	136	0.0184
27	-0.0336	78	0.0394	137	0.0164
28	-0.1766	79	-0.0366	138	0.1004
29	-0.2156	80	-0.1246	139	0.1094
30	0.1784	81	-0.2936	140	0.1074
32	0.1394	82	-0.4996	141	0.1194
33	0.1344	83	0.1744	142	0.1184
34	0.1174	84	0.1014	143	0.1254
35	0.1054	85	0.0084	145	0.0184
36	0.0924	86	-0.0706	147	0.1184
37	0.0794	87	-0.1436	151	-0.0076
38	0.0524	88	-0.2646	152	-0.1676
39	0.0214	89	-0.5496	153	-0.1956
40	-0.0416	90	0.0714	154	-0.2556
41	-0.1776	91	-0.0656	155	0.0964
42	-0.2386	92	-0.1236	156	0.1034
43	0.2504	93	-0.1886	157	-0.0516
44	0.2024	94	-0.2936	158	0.3924
45	0.1774	95	-0.5396	159	0.2384
46	0.1564	96	-0.4596	160	0.1954
47	0.1344	97	-0.5206	161	0.0814
48	0.1114	98	-0.0656	162	0.3254
49	0.0804	99	-0.1796	163	0.2574
50	0.0474	100	-0.3366	164	0.1074
51	-0.0046	101	-0.2496	165	0.0074

ORF	CP	ORF	CP	ORF	CP
166	0.2404	217	-0.1816	268	-0.1156
167	0.2334	218	-0.0226	269	0.1694
168	0.1864	219	0.0314	270	0.2694
169	0.0274	220	-0.0036	271	-0.2156
170	0.2624	221	-0.4816	272	-0.2136
171	0.1274	222	-0.4476	273	0.1784
172	-0.0866	223	0.0334	274	0.2274
173	0.0744	224	0.0504	275	0.3524
174	-0.0326	225	0.3084	276	0.2994
175	-0.1846	226	0.1344	277	0.1774
176	-0.2646	227	-0.6216	278	-0.4766
177	-0.2156	228	-0.6086	279	-0.4426
178	-0.3426	229	-0.5756	280	-0.2996
179	-0.2726	230	-0.4376	281	-0.0726
180	-0.2146	231	-0.1576	282	0.0454
181	0.2774	232	-0.0306	283	0.0554
182	0.4054	233	0.0214	284	0.0624
183	0.3694	234	0.0054	285	0.0074
184	0.5314	235	-0.1956	286	-0.2326
185	0.6304	236	-0.2356	287	-0.2666
186	0.7814	237	-0.0406	288	0.1354
187	0.9254	238	0.0174	289	0.1734
188	1.0234	239	0.3464	290	0.1734
189	1.0854	240	0.2374	291	-0.5096
190	-0.1966	241	-0.6076	292	-0.1306
191	-0.1866	242	-0.5876	325	0.0224
192	-0.2056	244	-0.3526	326	0.0234
193	-0.2056	245	-0.0926	327	0.0234
194	-0.1996	246	-0.0096	328	0.0244
195	-0.1976	247	0.0254	329	0.0224
196	-0.2236	248	0.0294	330	0.0214
197	-0.2036	249	0.0054	331	0.0234
198	-0.2026	250	0.0264	332	0.0234
199	-0.2046	251	-0.1846	333	0.0264
200	-0.1966	252	-0.0596	334	0.0234
201	-0.1886	253	0.2784	335	0.0234
202	-0.1936	254	0.1364	336	0.0234
203	-0.1906	255	-0.4956	337	0.0234
204	-0.1816	256	-0.4476	338	0.0224
205	0.2134	257	-0.3836	339	0.0234
206	0.2444	258	-0.1946	340	0.0244
207	0.2424	259	-0.0296	341	0.0224
208	0.2544	260	0.0144	350	-0.0056
210	0.4644	261	0.0384	351	0.0254
211	0.3624	262	0.0274	352	0.0254
212	0.1944	263	-0.1336	353	0.0274
213	-0.6846	264	-0.0726	354	0.0274
214	-0.6496	265	0.1544	355	0.0254
215	-0.6266	266	0.2064		
216	-0.4926	267	-0.1586		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 404
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 13.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.898
TUNNEL DYNAMIC PRESSURE(PSF) = 651.
TUNNEL STAGNATION PRESSURE(PSF) = 1947.
TUNNEL STATIC PRESSURE(PSF) = 1154.
REYNOLDS NUMBER PER FOOT = 3.9890E 06
MODEL ANGLE OF ATTACK(DEG) = -1.91
FIN ANGLE(DEG) = -0.25
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.7053
247	0.7043
347	0.7043
447	0.7053
547	0.7003
647	0.6993
747	0.6993

ORF	CP	ORF	CP	ORF	CP
1	0.0403	52	-0.1177	102	-0.2097
2	-0.2737	53	-0.4037	103	-0.5177
3	-0.2557	54	-0.2807	104	-0.5087
4	-0.1407	55	0.1643	105	-0.3227
5	-0.0587	56	0.1303	110	-0.0867
6	-0.0117	57	0.1073	111	-0.1067
7	0.0003	58	0.0783	112	-0.0717
8	0.0073	59	0.0453	113	-0.1027
9	0.0043	60	0.0173	114	-0.1257
10	0.0013	61	-0.0227	115	-0.0637
11	-0.0107	62	-0.0797	116	0.0083
12	-0.0277	63	-0.1647	117	0.0273
13	-0.0657	64	-0.6287	118	0.0243
14	-0.2007	65	-0.3937	119	-0.0147
15	-0.2117	66	0.1553	120	0.0203
16	-0.0547	67	0.1033	121	-0.0017
17	-0.0557	68	0.0663	122	-0.0047
18	-0.0287	69	0.0333	123	-0.1257
19	0.0033	70	-0.0037	124	-0.0367
20	0.0133	71	-0.0507	125	-0.0277
21	0.0193	72	-0.1157	126	-0.0017
22	0.0233	73	-0.2277	127	-0.0167
23	0.0163	74	-0.4837	128	-0.1297
24	0.0053	75	0.1373	129	-0.0577
25	-0.0067	76	0.0863	135	0.0233
26	-0.0337	77	0.0333	136	0.0133
27	-0.0797	78	-0.0227	137	0.0163
28	-0.2157	79	-0.0827	138	0.0933
29	-0.2387	80	-0.1617	139	0.0943
30	0.0523	81	-0.3207	140	0.0993
32	0.0503	82	-0.5087	141	0.1093
33	0.0553	83	0.0903	142	0.1103
34	0.0473	84	0.0223	143	0.1083
35	0.0383	85	-0.0497	145	0.0213
36	0.0323	86	-0.1057	147	0.1083
37	0.0153	87	-0.1737	151	-0.0537
38	-0.0057	88	-0.2887	152	-0.1897
39	-0.0357	89	-0.5707	153	-0.2367
40	-0.0877	90	-0.0167	154	-0.2607
41	-0.2167	91	-0.1047	155	0.0923
42	-0.2537	92	-0.1497	156	0.0743
43	0.1383	93	-0.2047	157	-0.0757
44	0.1013	94	-0.3007	158	0.3793
45	0.0913	95	-0.5247	159	0.2153
46	0.0803	96	-0.4257	160	0.1743
47	0.0603	97	-0.5217	161	0.0603
48	0.0443	98	-0.0427	162	0.3003
49	0.0183	99	-0.1017	163	0.2423
50	-0.0117	100	-0.3277	164	0.0983
51	-0.0547	101	-0.2417	165	-0.0027

ORF	CP	ORF	CP	ORF	CP
166	0.2843	217	-0.1167	268	-0.1547
167	0.2443	218	-0.0457	269	0.1333
168	0.1893	219	-0.0247	270	0.2133
169	0.0363	220	-0.0547	271	-0.2247
170	0.2393	221	-0.4877	272	-0.2527
171	0.1613	222	-0.4617	273	0.1153
172	-0.0797	223	0.0153	274	0.1793
173	0.0543	224	0.0233	275	0.3353
174	-0.0377	225	0.2443	276	0.2733
175	-0.1727	226	0.0833	277	0.1203
176	-0.2667	227	-0.6197	278	-0.5917
177	-0.2417	228	-0.6007	279	-0.5827
178	-0.3997	229	-0.5517	280	-0.5127
179	-0.3497	230	-0.3867	281	-0.3217
180	-0.2167	231	-0.1367	282	-0.0697
181	0.2693	232	-0.0597	283	-0.0097
182	0.4043	233	-0.0267	284	0.0063
183	0.3673	234	-0.0417	285	-0.0417
184	0.5253	235	-0.2377	286	-0.2317
185	0.5943	236	-0.2657	287	-0.2917
186	0.7023	237	-0.0677	288	0.0683
187	0.8173	238	-0.0137	289	0.1803
188	0.9033	239	0.2573	290	0.1463
189	0.9443	240	0.1443	291	-0.4867
190	-0.2007	241	-0.5827	292	-0.0907
191	-0.1997	242	-0.5637	325	0.0243
192	-0.2097	244	-0.3197	326	0.0243
193	-0.2067	245	-0.1057	327	0.0223
194	-0.1907	246	-0.0497	328	0.0223
195	-0.1887	247	-0.0257	329	0.0243
196	-0.2167	248	-0.0267	330	0.0253
197	-0.2017	249	-0.0497	331	0.0253
198	-0.1997	250	0.0203	332	0.0223
199	-0.1997	251	-0.1857	333	0.0223
200	-0.1957	252	-0.0857	334	0.0243
201	-0.1847	253	0.2153	335	0.0243
202	-0.1877	254	0.0633	336	0.0243
203	-0.1927	255	-0.5117	337	0.0243
204	-0.1887	256	-0.5097	338	0.0243
205	0.2143	257	-0.4817	339	0.0213
206	0.2473	258	-0.3337	340	0.0233
207	0.2453	259	-0.0917	341	0.0243
208	0.2493	260	-0.0317	350	-0.0147
210	0.3713	261	-0.0167	351	0.0213
211	0.3033	262	-0.0237	352	0.0203
212	0.1383	263	-0.1677	353	0.0233
213	-0.7257	264	-0.1027	354	0.0223
214	-0.6607	265	0.1283	355	0.0223
215	-0.6127	266	0.1783		
216	-0.4177	267	-0.1897		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 405

TUNNEL = 11

TEST NO. = 086

TEST PHASE = 2

RUN NUMBER = 13.

CONFIGURATION NO. = 3.

ANGLE OF MODEL ROLL(DEG) = 0.

MACH NUMBER = 0.899

TUNNEL DYNAMIC PRESSURE(PSF) = 652.

TUNNEL STAGNATION PRESSURE(PSF) = 1946.

TUNNEL STATIC PRESSURE(PSF) = 1152.

REYNOLDS NUMBER PER FOOT = 3.9890E 06

MODEL ANGLE OF ATTACK(DEG) = 0.11

FIN ANGLE(DEG) = -0.42

FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCAN VALUE	CP(REF)
147	0.7111
247	0.7091
347	0.7101
447	0.7101
547	0.7051
647	0.7061
747	0.7051

ORF	CP	ORF	CP	ORF	CP
1	0.0381	52	-0.1559	102	-0.2039
2	-0.3679	53	-0.4259	103	-0.4909
3	-0.3779	54	-0.2819	104	-0.4889
4	-0.2629	55	0.0741	105	-0.2899
5	-0.1519	56	0.0481	110	-0.0809
6	-0.0799	57	0.0301	111	-0.1049
7	-0.0469	58	0.0111	112	-0.0629
8	-0.0299	59	-0.0139	113	-0.1049
9	-0.0279	60	-0.0409	114	-0.1149
10	-0.0259	61	-0.0729	115	-0.0629
11	-0.0359	62	-0.1209	116	0.0111
12	-0.0489	63	-0.2029	117	0.0351
13	-0.0839	64	-0.6089	118	0.0371
14	-0.2159	65	-0.4139	119	0.0011
15	-0.2179	66	0.0601	120	0.0251
16	-0.1599	67	0.0361	121	0.0091
17	-0.1649	68	0.0091	122	0.0071
18	-0.1179	69	-0.0209	123	-0.1079
19	-0.0729	70	-0.0569	124	-0.0269
20	-0.0429	71	-0.0969	125	-0.0139
21	-0.0259	72	-0.1549	126	0.0121
22	-0.0189	73	-0.2629	127	0.0001
23	-0.0239	74	-0.5439	128	-0.1119
24	-0.0279	75	0.0451	129	-0.0439
25	-0.0389	76	0.0081	135	0.0241
26	-0.0619	77	-0.0369	136	0.0321
27	-0.1069	78	-0.0779	137	0.0191
28	-0.2419	79	-0.1259	138	0.1041
29	-0.2339	80	-0.1979	139	0.1081
30	-0.0399	81	-0.3549	140	0.1071
32	-0.0229	82	-0.6379	141	0.1171
33	-0.0119	83	0.0221	142	0.1141
34	-0.0109	84	-0.0379	143	0.1141
35	-0.0129	85	-0.0949	145	0.0231
36	-0.0099	86	-0.1399	147	0.1181
37	-0.0239	87	-0.2009	151	-0.0119
38	-0.0399	88	-0.3109	152	-0.1959
39	-0.0679	89	-0.6299	153	-0.2009
40	-0.1199	90	-0.0739	154	-0.2579
41	-0.2469	91	-0.1109	155	0.0151
42	-0.2529	92	-0.1539	156	0.1181
43	0.0501	93	-0.2039	157	-0.0529
44	0.0351	94	-0.2989	158	0.3361
45	0.0201	95	-0.5849	159	0.2591
46	0.0131	96	-0.3789	160	0.2011
47	0.0031	97	-0.5389	161	0.0731
48	-0.0079	98	0.0091	162	0.3251
49	-0.0279	99	-0.0469	163	0.2891
50	-0.0529	100	-0.3329	164	0.1031
51	-0.0959	101	-0.2279	165	0.0131

ORF	CP	ORF	CP	ORF	CP
166	0.3811	217	-0.1109	268	-0.1629
167	0.2891	218	-0.0639	269	0.1141
168	0.2281	219	-0.0479	270	0.1881
169	0.0771	220	-0.0839	271	-0.2109
170	0.1671	221	-0.4699	272	-0.2439
171	0.1731	222	-0.4569	273	0.0511
172	-0.0689	223	-0.0049	274	0.1331
173	0.0091	224	-0.0059	275	0.3361
174	-0.0799	225	0.2131	276	0.2991
175	-0.2339	226	0.0551	277	0.1281
176	-0.2549	227	-0.6099	278	-0.7199
177	-0.2139	228	-0.5679	279	-0.6959
178	-0.3829	229	-0.5149	280	-0.6309
179	-0.3919	230	-0.3339	281	-0.4649
180	-0.2149	231	-0.1259	282	-0.1899
181	0.2931	232	-0.0739	283	-0.0709
182	0.4061	233	-0.0569	284	-0.0249
183	0.4171	234	-0.0709	285	-0.0629
184	0.6001	235	-0.2459	286	-0.2259
185	0.6561	236	-0.2679	287	-0.2779
186	0.7271	237	-0.0759	288	-0.0029
187	0.8001	238	-0.0209	289	0.1701
188	0.8441	239	0.2031	290	0.1431
189	0.8791	240	0.0971	291	-0.5109
190	-0.1929	241	-0.5799	292	-0.0439
191	-0.1879	242	-0.5579	325	0.0321
192	-0.2039	244	-0.2909	326	0.0331
193	-0.2109	245	-0.1249	327	0.0311
194	-0.1919	246	-0.0839	328	0.0301
195	-0.1909	247	-0.0559	329	0.0291
196	-0.2169	248	-0.0539	330	0.0311
197	-0.2009	249	-0.0709	331	0.0331
198	-0.1979	250	0.0311	332	0.0331
199	-0.1969	251	-0.1869	333	0.0311
200	-0.1969	252	-0.0759	334	0.0291
201	-0.1889	253	0.2351	335	0.0321
202	-0.1819	254	0.0791	336	0.0311
203	-0.1829	255	-0.6189	337	0.0321
204	-0.1829	256	-0.6089	338	0.0321
205	0.2141	257	-0.5819	339	0.0311
206	0.2361	258	-0.4709	340	0.0301
207	0.2371	259	-0.1919	341	0.0291
208	0.2361	260	-0.0649	350	-0.0009
210	0.2951	261	-0.0389	351	0.0291
211	0.2591	262	-0.0359	352	0.0331
212	0.1031	263	-0.1829	353	0.0291
213	-0.7149	264	-0.1009	354	0.0311
214	-0.6229	265	0.1351	355	0.0311
215	-0.5589	266	0.1631		
216	-0.3359	267	-0.1909		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 406
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 13.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.903
TUNNEL DYNAMIC PRESSURE(PSF) = 655.
TUNNEL STAGNATION PRESSURE(PSF) = 1947.
TUNNEL STATIC PRESSURE(PSF) = 1147.
REYNOLDS NUMBER PER FOOT = 3.9950E 06
MODEL ANGLE OF ATTACK(DEG) = 2.05
FIN ANGLE(DEG) = -0.60
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.7139
247	0.7129
347	0.7129
447	0.7139
547	0.7379
647	0.7369
747	0.7369

ORF	CP	ORF	CP	ORF	CP
1	-0.0171	52	-0.2041	102	-0.1991
2	-0.3711	53	-0.4091	103	-0.5021
3	-0.3601	54	-0.2961	104	-0.4931
4	-0.2571	55	-0.0451	105	-0.3061
5	-0.1781	56	-0.0471	110	-0.0481
6	-0.1241	57	-0.0501	111	-0.0801
7	-0.0971	58	-0.0671	112	-0.0351
8	-0.0821	59	-0.0751	113	-0.0821
9	-0.0751	60	-0.1011	114	-0.0921
10	-0.0811	61	-0.1271	115	-0.0601
11	-0.0871	62	-0.1661	116	0.0349
12	-0.0961	63	-0.2431	117	0.0619
13	-0.1201	64	-0.5581	118	0.0589
14	-0.2371	65	-0.4391	119	0.0259
15	-0.2321	66	-0.0571	120	0.0619
16	-0.1791	67	-0.0541	121	0.0339
17	-0.1841	68	-0.0621	122	0.0339
18	-0.1381	69	-0.0821	123	-0.0711
19	-0.1061	70	-0.1131	124	0.0129
20	-0.0911	71	-0.1431	125	0.0199
21	-0.0801	72	-0.1841	126	0.0409
22	-0.0731	73	-0.2931	127	0.0319
23	-0.0731	74	-0.4901	128	-0.0771
24	-0.0791	75	-0.0601	129	-0.0151
25	-0.0891	76	-0.0681	135	0.0529
26	-0.1031	77	-0.0971	136	0.0499
27	-0.1481	78	-0.1281	137	0.0469
28	-0.2501	79	-0.1661	138	0.1359
29	-0.2391	80	-0.2191	139	0.1369
30	-0.0991	81	-0.3711	140	0.1359
32	-0.0811	82	-0.5591	141	0.1479
33	-0.0671	83	-0.0821	142	0.1459
34	-0.0601	84	-0.1221	143	0.1439
35	-0.0581	85	-0.1501	145	0.0509
36	-0.0631	86	-0.1801	147	0.1519
37	-0.0711	87	-0.2331	151	0.0009
38	-0.0811	88	-0.3391	152	-0.1831
39	-0.1031	89	-0.6291	153	-0.1861
40	-0.1461	90	-0.1501	154	-0.2311
41	-0.2471	91	-0.1481	155	0.0079
42	-0.2311	92	-0.1871	156	0.0969
43	-0.0731	93	-0.2301	157	-0.0611
44	-0.0661	94	-0.3131	158	0.2449
45	-0.0641	95	-0.5741	159	0.1889
46	-0.0631	96	-0.2501	160	0.1209
47	-0.0711	97	-0.4141	161	0.0099
48	-0.0761	98	0.0249	162	0.2509
49	-0.0921	99	-0.0221	163	0.1869
50	-0.1091	100	-0.3681	164	0.1379
51	-0.1431	101	-0.2231	165	-0.0301

ORF	CP	ORF	CP	ORF	CP
166	0.3429	217	-0.0841	268	-0.1271
167	0.1809	218	-0.0541	269	0.1309
168	0.1359	219	-0.0491	270	0.1799
169	0.0299	220	-0.0851	271	-0.1831
170	0.2309	221	-0.4441	272	-0.2031
171	0.0929	222	-0.3911	273	0.1099
172	-0.0831	223	-0.0401	274	0.1779
173	-0.0111	224	-0.0191	275	0.2939
174	-0.0611	225	0.2059	276	0.2649
175	-0.2051	226	0.0579	277	0.0979
176	-0.2071	227	-0.5821	278	-0.7471
177	-0.1851	228	-0.5471	279	-0.7151
178	-0.3111	229	-0.4871	280	-0.6301
179	-0.2841	230	-0.2971	281	-0.4461
180	-0.1771	231	-0.1171	282	-0.1871
181	0.2179	232	-0.0721	283	-0.0991
182	0.3369	233	-0.0531	284	-0.0501
183	0.3439	234	-0.0701	285	-0.0811
184	0.4759	235	-0.2271	286	-0.2091
185	0.4889	236	-0.1981	287	-0.2551
186	0.4759	237	-0.0241	288	0.0859
187	0.4889	238	0.0119	289	0.1679
188	0.5379	239	0.1999	290	0.1559
189	0.5769	240	0.0929	291	-0.5361
190	-0.1761	241	-0.6211	292	-0.0011
191	-0.1731	242	-0.5921	325	0.0599
192	-0.1711	244	-0.3221	326	0.0589
193	-0.1821	245	-0.1521	327	0.0589
194	-0.1731	246	-0.1061	328	0.0569
195	-0.1751	247	-0.0791	329	0.0569
196	-0.1901	248	-0.0681	330	0.0589
197	-0.1771	249	-0.0771	331	0.0589
198	-0.1691	250	0.0579	332	0.0589
199	-0.1701	251	-0.1771	333	0.0579
200	-0.1661	252	-0.0741	334	0.0579
201	-0.1591	253	0.2559	335	0.0599
202	-0.1641	254	0.1099	336	0.0589
203	-0.1611	255	-0.6551	337	0.0589
204	-0.1571	256	-0.6351	338	0.0569
205	0.2229	257	-0.6041	339	0.0579
206	0.2489	258	-0.4631	340	0.0579
207	0.2459	259	-0.1871	341	0.0559
208	0.2409	260	-0.0761	350	0.0239
210	0.2479	261	-0.0431	351	0.0569
211	0.2339	262	-0.0411	352	0.0579
212	0.0959	263	-0.1711	353	0.0599
213	-0.6511	264	-0.0701	354	0.0579
214	-0.5351	265	0.1429	355	0.0549
215	-0.4291	266	0.1649		
216	-0.2141	267	-0.1751		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 407
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 13.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.891
TUNNEL DYNAMIC PRESSURE(PSF) = 645.
TUNNEL STAGNATION PRESSURE(PSF) = 1946.
TUNNEL STATIC PRESSURE(PSF) = 1162.
REYNOLDS NUMBER PER FOOT = 3.9670E 06
MODEL ANGLE OF ATTACK(DEG) = 3.96
FIN ANGLE(DEG) = -0.68
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.6994
247	0.6984
347	0.6984
447	0.6994
547	0.6874
647	0.6874
747	0.6874

ORF	CP	ORF	CP	ORF	CP
1	-0.1156	52	-0.2546	102	-0.2366
2	-0.4186	53	-0.4036	103	-0.5246
3	-0.4166	54	-0.3186	104	-0.4946
4	-0.3176	55	-0.4526	105	-0.3266
5	-0.2206	56	-0.2696	110	-0.1016
6	-0.1876	57	-0.1616	111	-0.1426
7	-0.1646	58	-0.1526	112	-0.0896
8	-0.1506	59	-0.1576	113	-0.1486
9	-0.1526	60	-0.1756	114	-0.1476
10	-0.1476	61	-0.1926	115	-0.1096
11	-0.1586	62	-0.2286	116	-0.0106
12	-0.1536	63	-0.2996	117	0.0174
13	-0.1816	64	-0.5326	118	0.0194
14	-0.2676	65	-0.4716	119	-0.0266
15	-0.2646	66	-0.4766	120	0.0084
16	-0.2596	67	-0.3296	121	-0.0276
17	-0.2646	68	-0.1916	122	-0.0256
18	-0.2306	69	-0.1696	123	-0.1176
19	-0.2036	70	-0.1866	124	-0.0586
20	-0.1806	71	-0.2176	125	-0.0406
21	-0.1666	72	-0.2596	126	-0.0256
22	-0.1606	73	-0.3566	127	-0.0326
23	-0.1616	74	-0.5116	128	-0.1236
24	-0.1636	75	-0.5036	129	-0.0656
25	-0.1596	76	-0.3566	135	-0.0056
26	-0.1816	77	-0.2356	136	-0.0116
27	-0.2096	78	-0.2156	137	-0.0076
28	-0.2806	79	-0.2326	138	0.0764
29	-0.2696	80	-0.2806	139	0.0764
30	-0.2466	81	-0.4376	140	0.0794
32	-0.1856	82	-0.5156	141	0.0914
33	-0.1756	83	-0.4476	142	0.0894
34	-0.1606	84	-0.3666	143	0.0884
35	-0.1576	85	-0.2606	145	-0.0136
36	-0.1586	86	-0.2386	147	0.0894
37	-0.1656	87	-0.2626	151	-0.0196
38	-0.1776	88	-0.3876	152	-0.1816
39	-0.1946	89	-0.4296	153	-0.1926
40	-0.2256	90	-0.5256	154	-0.2176
41	-0.2966	91	-0.3576	155	-0.0166
42	-0.2746	92	-0.2666	156	0.0444
43	-0.3986	93	-0.2776	157	-0.0866
44	-0.1866	94	-0.3616	158	0.1574
45	-0.1516	95	-0.3216	159	0.0864
46	-0.1436	96	-0.2226	160	0.0624
47	-0.1436	97	-0.4026	161	-0.0606
48	-0.1546	98	0.0364	162	0.1704
49	-0.1626	99	-0.0126	163	0.1284
50	-0.1786	100	-0.4166	164	0.0754
51	-0.2016	101	-0.2606	165	-0.0776

ORF	CP	ORF	CP	ORF	CP
166	0.2614	217	-0.1696	268	-0.2056
167	0.1274	218	-0.1466	269	0.0114
168	0.1264	219	-0.1466	270	0.0534
169	-0.0016	220	-0.1796	271	-0.2776
170	0.1874	221	-0.5236	272	-0.2746
171	0.0594	222	-0.4576	273	0.0294
172	-0.1056	223	-0.1446	274	0.0654
173	-0.0386	224	-0.1086	275	0.1954
174	-0.0956	225	0.1184	276	0.1224
175	-0.2116	226	-0.0266	277	-0.0396
176	-0.2276	227	-0.6526	278	-0.7546
177	-0.1906	228	-0.6216	279	-0.7286
178	-0.2956	229	-0.5586	280	-0.6506
179	-0.2406	230	-0.3816	281	-0.4726
180	-0.2116	231	-0.1946	282	-0.2556
181	0.1384	232	-0.1546	283	-0.2006
182	0.2384	233	-0.1476	284	-0.1676
183	0.2334	234	-0.1636	285	-0.1846
184	0.3284	235	-0.3076	286	-0.2826
185	0.3664	236	-0.2516	287	-0.3196
186	0.4144	237	-0.0956	288	0.0174
187	0.4424	238	-0.0486	289	0.0734
188	0.5534	239	0.1324	290	0.0514
189	0.6254	240	0.0294	291	-0.6116
190	-0.1926	241	-0.7196	292	-0.0026
191	-0.2036	242	-0.6936	325	0.0334
192	-0.2036	244	-0.4166	326	0.0334
193	-0.2106	245	-0.2336	327	0.0324
194	-0.2106	246	-0.1806	328	0.0344
195	-0.2026	247	-0.1556	329	0.0354
196	-0.2196	248	-0.1406	330	0.0324
197	-0.1996	249	-0.1406	331	0.0334
198	-0.2036	250	0.0174	332	0.0334
199	-0.2016	251	-0.2076	333	0.0354
200	-0.1976	252	-0.1366	334	0.0354
201	-0.1956	253	0.1534	335	0.0334
202	-0.1906	254	-0.0006	336	0.0324
203	-0.1966	255	-0.7546	337	0.0324
204	-0.1946	256	-0.7306	338	0.0324
205	0.1454	257	-0.6816	339	0.0324
206	0.1734	258	-0.5246	340	0.0344
207	0.1564	259	-0.2766	341	0.0354
208	0.1524	260	-0.1876	350	-0.0196
210	0.1434	261	-0.1626	351	0.0184
211	0.1444	262	-0.1526	352	0.0194
212	0.0074	263	-0.2646	353	0.0204
213	-0.7076	264	-0.1656	354	0.0174
214	-0.5576	265	0.0344	355	0.0174
215	-0.4686	266	0.0524		
216	-0.2836	267	-0.2706		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 408
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 13.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.898
TUNNEL DYNAMIC PRESSURE(PSF) = 651.
TUNNEL STAGNATION PRESSURE(PSF) = 1947.
TUNNEL STATIC PRESSURE(PSF) = 1154.
REYNOLDS NUMBER PER FOOT = 3.9840E 06
MODEL ANGLE OF ATTACK(DEG) = 6.00
FIN ANGLE(DEG) = -0.74
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.7073
247	0.7053
347	0.7063
447	0.7063
547	0.7043
647	0.7043
747	0.7043

ORF	CP	ORF	CP	ORF	CP
1	-0.2037	52	-0.2877	102	-0.2687
2	-0.4697	53	-0.4237	103	-0.5527
3	-0.4427	54	-0.3357	104	-0.5407
4	-0.3367	55	-0.6327	105	-0.3527
5	-0.2707	56	-0.5467	110	-0.0837
6	-0.2307	57	-0.3677	111	-0.1317
7	-0.2077	58	-0.2747	112	-0.0717
8	-0.2037	59	-0.2217	113	-0.1447
9	-0.1967	60	-0.2137	114	-0.1367
10	-0.1947	61	-0.2297	115	-0.0977
11	-0.1947	62	-0.2607	116	0.0183
12	-0.1957	63	-0.3157	117	0.0163
13	-0.2147	64	-0.5627	118	0.0453
14	-0.3047	65	-0.4887	119	-0.0147
15	-0.2967	66	-0.6327	120	0.0303
16	-0.3767	67	-0.6047	121	-0.0137
17	-0.3317	68	-0.4857	122	-0.0127
18	-0.2897	69	-0.3497	123	-0.0867
19	-0.2537	70	-0.2737	124	-0.0547
20	-0.2337	71	-0.2677	125	-0.0307
21	-0.2197	72	-0.2937	126	-0.0097
22	-0.2067	73	-0.3877	127	-0.0177
23	-0.2067	74	-0.5177	128	-0.0957
24	-0.1997	75	-0.6397	129	-0.0447
25	-0.2137	76	-0.6327	135	0.0133
26	-0.2187	77	-0.5677	136	-0.0017
27	-0.2457	78	-0.4537	137	0.0113
28	-0.3177	79	-0.3757	138	0.0973
29	-0.3007	80	-0.3647	139	0.0923
30	-0.4517	81	-0.4677	140	0.0933
32	-0.2367	82	-0.4477	141	0.1093
33	-0.2177	83	-0.5637	142	0.1103
34	-0.2147	84	-0.6557	143	0.1053
35	-0.2067	85	-0.6137	145	-0.0037
36	-0.2057	86	-0.5277	147	0.1093
37	-0.2067	87	-0.4377	151	-0.0647
38	-0.2237	88	-0.4307	152	-0.1827
39	-0.2377	89	-0.3897	153	-0.2037
40	-0.2677	90	-0.6537	154	-0.2277
41	-0.3267	91	-0.6187	155	-0.0007
42	-0.3067	92	-0.5437	156	-0.0167
43	-0.5987	93	-0.4917	157	-0.1187
44	-0.4047	94	-0.4757	158	0.0933
45	-0.2687	95	-0.3367	159	0.0493
46	-0.2117	96	-0.1757	160	0.0083
47	-0.1927	97	-0.4767	161	-0.0787
48	-0.2007	98	0.0843	162	0.1463
49	-0.2037	99	0.0283	163	0.0903
50	-0.2247	100	-0.4597	164	0.0923
51	-0.2507	101	-0.2997	165	-0.0777

ORF	CP	ORF	CP	ORF	CP
166	0.2823	217	-0.1697	268	-0.2077
167	0.1593	218	-0.1557	269	0.0023
168	0.1323	219	-0.1567	270	0.0303
169	0.0273	220	-0.1897	271	-0.2957
170	0.1543	221	-0.4717	272	-0.2807
171	0.1003	222	-0.4157	273	0.0253
172	-0.0857	223	-0.1337	274	0.0433
173	-0.0227	224	-0.1027	275	0.1493
174	-0.0797	225	0.1213	276	0.0713
175	-0.1957	226	-0.0137	277	-0.0747
176	-0.2337	227	-0.6537	278	-0.7497
177	-0.2367	228	-0.6257	279	-0.7197
178	-0.3147	229	-0.5827	280	-0.6347
179	-0.2347	230	-0.4027	281	-0.4507
180	-0.2147	231	-0.2127	282	-0.2737
181	0.0593	232	-0.1657	283	-0.2187
182	0.1723	233	-0.1627	284	-0.1877
183	0.2653	234	-0.1717	285	-0.2037
184	0.3903	235	-0.3047	286	-0.2907
185	0.4743	236	-0.2427	287	-0.3157
186	0.5393	237	-0.0867	288	0.0173
187	0.6573	238	-0.0427	289	0.0903
188	0.8103	239	0.1153	290	0.0303
189	0.8403	240	0.0133	291	-0.6017
190	-0.2017	241	-0.7287	292	0.0733
191	-0.2087	242	-0.6947	325	0.0373
192	-0.2167	244	-0.4267	326	0.0403
193	-0.2267	245	-0.2477	327	0.0383
194	-0.2197	246	-0.2027	328	0.0383
195	-0.2247	247	-0.1747	329	0.0383
196	-0.2237	248	-0.1637	330	0.0373
197	-0.2067	249	-0.1527	331	0.0393
198	-0.2077	250	0.0383	332	0.0393
199	-0.2047	251	-0.1877	333	0.0393
200	-0.2177	252	-0.1437	334	0.0383
201	-0.1977	253	0.0913	335	0.0383
202	-0.1857	254	-0.0517	336	0.0373
203	-0.2037	255	-0.7737	337	0.0383
204	-0.2097	256	-0.7387	338	0.0393
205	0.1453	257	-0.6597	339	0.0363
206	0.1793	258	-0.4837	340	0.0383
207	0.1643	259	-0.2797	341	0.0383
208	0.1643	260	-0.2187	350	-0.0207
210	0.1033	261	-0.1907	351	0.0363
211	0.1183	262	-0.1777	352	0.0383
212	-0.0137	263	-0.2727	353	0.0373
213	-0.6557	264	-0.1687	354	0.0353
214	-0.5027	265	0.0103	355	0.0393
215	-0.3897	266	0.0283		
216	-0.2407	267	-0.2887		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 409

TUNNEL = 11

TEST NO. = 086

TEST PHASE = 2

RUN NUMBER = 13.

CONFIGURATION NO. = 3.

ANGLE OF MODEL ROLL(DEG) = 0.

MACH NUMBER = 0.903

TUNNEL DYNAMIC PRESSURE(PSF) = 655.

TUNNEL STAGNATION PRESSURE(PSF) = 1947.

TUNNEL STATIC PRESSURE(PSF) = 1148.

REYNOLDS NUMBER PER FOOT = 3.9940E 06

MODEL ANGLE OF ATTACK(DEG) = 7.94

FIN ANGLE(DEG) = -0.52

FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCAN VALUE	CP(REF)
147	0.7123
247	0.7113
347	0.7123
447	0.7123
547	0.7173
647	0.7163
747	0.7163

ORF	CP	ORF	CP	ORF	CP
1	-0.2867	52	-0.3127	102	-0.3007
2	-0.5187	53	-0.4427	103	-0.6297
3	-0.4627	54	-0.3697	104	-0.6107
4	-0.3507	55	-0.7457	105	-0.4197
5	-0.2977	56	-0.7437	110	-0.0687
6	-0.2477	57	-0.5917	111	-0.1287
7	-0.2317	58	-0.4167	112	-0.0537
8	-0.2277	59	-0.2907	113	-0.1337
9	-0.2167	60	-0.2257	114	-0.1507
10	-0.2177	61	-0.2397	115	-0.1107
11	-0.2207	62	-0.2707	116	0.0353
12	-0.2287	63	-0.3267	117	0.0653
13	-0.2457	64	-0.5947	118	0.0633
14	-0.3357	65	-0.5187	119	-0.0147
15	-0.3307	66	-0.7237	120	0.0373
16	-0.4577	67	-0.7357	121	-0.0097
17	-0.3977	68	-0.6937	122	-0.0097
18	-0.3287	69	-0.6077	123	-0.0757
19	-0.2937	70	-0.4697	124	-0.0527
20	-0.2717	71	-0.3587	125	-0.0367
21	-0.2527	72	-0.3157	126	-0.0207
22	-0.2407	73	-0.3687	127	-0.0287
23	-0.2387	74	-0.5757	128	-0.0847
24	-0.2297	75	-0.7077	129	-0.0377
25	-0.2337	76	-0.7347	135	0.0123
26	-0.2467	77	-0.7387	136	0.0023
27	-0.2687	78	-0.7067	137	0.0063
28	-0.3447	79	-0.6507	138	0.0933
29	-0.3307	80	-0.5677	139	0.0933
30	-0.5647	81	-0.5477	140	0.0973
32	-0.2877	82	-0.4917	141	0.1213
33	-0.2597	83	-0.6247	142	0.1193
34	-0.2467	84	-0.7347	143	0.1203
35	-0.2437	85	-0.7417	145	-0.0047
36	-0.2427	86	-0.7247	147	0.1213
37	-0.2417	87	-0.6687	151	-0.0987
38	-0.2497	88	-0.5937	152	-0.1767
39	-0.2687	89	-0.4447	153	-0.2017
40	-0.2917	90	-0.7507	154	-0.2237
41	-0.3517	91	-0.6967	155	0.0103
42	-0.3317	92	-0.6427	156	-0.0697
43	-0.7517	93	-0.6107	157	-0.1357
44	-0.5817	94	-0.5487	158	0.0833
45	-0.3647	95	-0.4147	159	0.0243
46	-0.2537	96	-0.2067	160	-0.0207
47	-0.2307	97	-0.5717	161	-0.0827
48	-0.2237	98	0.1103	162	0.1773
49	-0.2347	99	0.0663	163	0.1033
50	-0.2527	100	-0.4547	164	0.0933
51	-0.2767	101	-0.3347	165	-0.0697

ORF	CP	ORF	CP	ORF	CP
166	0.3643	217	-0.1997	268	-0.2257
167	0.2103	218	-0.1807	269	-0.0187
168	0.1893	219	-0.1787	270	0.0193
169	0.0713	220	-0.2027	271	-0.3177
170	0.2453	221	-0.4827	272	-0.3007
171	0.1083	222	-0.4547	273	0.0033
172	-0.0777	223	-0.1347	274	0.0363
173	-0.0277	224	-0.1097	275	0.1313
174	-0.1147	225	0.1123	276	0.0283
175	-0.2277	226	-0.0287	277	-0.1137
176	-0.2397	227	-0.7087	278	-0.7837
177	-0.2627	228	-0.6657	279	-0.7477
178	-0.2807	229	-0.6177	280	-0.6527
179	-0.1817	230	-0.4467	281	-0.4777
180	-0.2167	231	-0.2377	282	-0.3027
181	-0.0057	232	-0.1927	283	-0.2547
182	0.0913	233	-0.1817	284	-0.2197
183	0.3153	234	-0.1847	285	-0.2227
184	0.5003	235	-0.3237	286	-0.3177
185	0.5733	236	-0.2457	287	-0.3447
186	0.6733	237	-0.0867	288	0.0053
187	0.7993	238	-0.0327	289	0.1103
188	0.9133	239	0.0913	290	-0.0077
189	0.9693	240	-0.0107	291	-0.5577
190	-0.1927	241	-0.7367	292	0.1273
191	-0.2187	242	-0.7177	325	0.0453
192	-0.2047	244	-0.4607	326	0.0453
193	-0.2167	245	-0.2717	327	0.0463
194	-0.2267	246	-0.2287	328	0.0433
195	-0.2267	247	-0.2077	329	0.0453
196	-0.2107	248	-0.1887	330	0.0483
197	-0.2067	249	-0.1767	331	0.0463
198	-0.2217	250	0.0493	332	0.0463
199	-0.2107	251	-0.1847	333	0.0453
200	-0.2197	252	-0.1517	334	0.0463
201	-0.2087	253	0.0473	335	0.0493
202	-0.1957	254	-0.0967	336	0.0423
203	-0.2007	255	-0.7817	337	0.0463
204	-0.2117	256	-0.7357	338	0.0443
205	0.1083	257	-0.6647	339	0.0463
206	0.1463	258	-0.4737	340	0.0433
207	0.1093	259	-0.2947	341	0.0453
208	0.0983	260	-0.2507	350	-0.0157
210	0.0943	261	-0.2227	351	0.0473
211	0.0983	262	-0.2097	352	0.0503
212	-0.0227	263	-0.3017	353	0.0503
213	-0.6827	264	-0.1957	354	0.0503
214	-0.5347	265	-0.0187	355	0.0503
215	-0.4197	266	-0.0037		
216	-0.2927	267	-0.3117		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 410
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 13.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.895
TUNNEL DYNAMIC PRESSURE(PSF) = 648.
TUNNEL STAGNATION PRESSURE(PSF) = 1945.
TUNNEL STATIC PRESSURE(PSF) = 1156.
REYNOLDS NUMBER PER FOOT = 3.9740E 06
MODEL ANGLE OF ATTACK(DEG) = 11.94
FIN ANGLE(DEG) = -0.26
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.7050
247	0.7050
347	0.7050
447	0.7060
547	0.7080
647	0.7080
747	0.7090

ORF	CP	ORF	CP	ORF	CP
1	-0.2990	52	-0.3830	102	-0.3310
2	-0.5840	53	-0.4570	103	-0.6320
3	-0.5460	54	-0.4030	104	-0.6160
4	-0.4300	55	-0.9420	105	-0.4820
5	-0.3640	56	-0.8940	110	-0.0630
6	-0.3270	57	-0.6570	111	-0.1270
7	-0.3060	58	-0.4550	112	-0.0510
8	-0.2950	59	-0.3500	113	-0.1540
9	-0.2910	60	-0.3270	114	-0.2000
10	-0.2890	61	-0.3400	115	-0.1060
11	-0.2800	62	-0.3530	116	0.0640
12	-0.2830	63	-0.4140	117	0.0800
13	-0.2970	64	-0.5740	118	0.0830
14	-0.3790	65	-0.5540	119	-0.0210
15	-0.3660	66	-0.9100	120	0.0230
16	-0.4800	67	-0.9760	121	-0.0470
17	-0.4440	68	-0.9710	122	-0.0440
18	-0.4000	69	-0.8200	123	-0.0820
19	-0.3670	70	-0.6190	124	-0.0890
20	-0.3400	71	-0.4580	125	-0.0640
21	-0.3230	72	-0.3880	126	-0.0570
22	-0.3100	73	-0.4470	127	-0.0540
23	-0.3040	74	-0.5580	128	-0.0990
24	-0.2970	75	-0.8900	129	-0.0300
25	-0.3000	76	-0.9400	135	-0.0200
26	-0.3020	77	-0.9920	136	-0.0280
27	-0.3250	78	-0.9910	137	-0.0140
28	-0.3840	79	-0.9240	138	0.0750
29	-0.3560	80	-0.8170	139	0.0820
30	-0.5470	81	-0.7390	140	0.0850
32	-0.3530	82	-0.4890	141	0.1380
33	-0.3400	83	-0.7710	142	0.1180
34	-0.3290	84	-0.9340	143	0.1350
35	-0.3160	85	-0.9880	145	-0.0320
36	-0.3120	86	-1.0050	147	0.1130
37	-0.3090	87	-0.9630	151	-0.1540
38	-0.3120	88	-0.8040	152	-0.2000
39	-0.3260	89	-0.5820	153	-0.2240
40	-0.3460	90	-0.9000	154	-0.2200
41	-0.3970	91	-0.8760	155	-0.0530
42	-0.3560	92	-0.8320	156	-0.1300
43	-0.8400	93	-0.7990	157	-0.1790
44	-0.5600	94	-0.7070	158	0.0680
45	-0.3860	95	-0.5540	159	-0.0430
46	-0.3340	96	-0.3440	160	-0.0940
47	-0.3280	97	-0.4790	161	-0.1280
48	-0.3210	98	0.1040	162	0.1170
49	-0.3250	99	0.0980	163	0.0260
50	-0.3380	100	-0.4430	164	0.0790
51	-0.3580	101	-0.3710	165	-0.1090

ORF	CP	ORF	CP	ORF	CP
166	0.2430	217	-0.2990	268	-0.2380
167	0.0840	218	-0.2530	269	-0.0640
168	0.0550	219	-0.2190	270	-0.0030
169	-0.0270	220	-0.2300	271	-0.3500
170	0.0650	221	-0.5690	272	-0.2830
171	-0.0150	222	-0.5990	273	-0.0370
172	-0.1420	223	-0.1550	274	0.0080
173	-0.0670	224	-0.0990	275	0.0950
174	-0.1140	225	0.1410	276	-0.0220
175	-0.1840	226	-0.0150	277	-0.1620
176	-0.2250	227	-0.9960	278	-0.9000
177	-0.3080	228	-0.9090	279	-0.8510
178	-0.3280	229	-0.8320	280	-0.7720
179	-0.2530	230	-0.6380	281	-0.5720
180	-0.2240	231	-0.3620	282	-0.3760
181	-0.0730	232	-0.2640	283	-0.3120
182	0.0180	233	-0.2310	284	-0.2800
183	0.2690	234	-0.2170	285	-0.2790
184	0.4160	235	-0.3930	286	-0.3610
185	0.4910	236	-0.2950	287	-0.3230
186	0.4710	237	-0.0880	288	-0.0200
187	0.4440	238	-0.0300	289	0.0830
188	0.4600	239	0.0860	290	-0.0510
189	0.4770	240	-0.0300	291	-0.4800
190	-0.2070	241	-0.8540	292	0.1910
191	-0.2550	242	-0.8380	325	0.0400
192	-0.2190	244	-0.6470	326	0.0410
193	-0.2210	245	-0.4030	327	0.0430
194	-0.2530	246	-0.3020	328	0.0410
195	-0.2570	247	-0.2680	329	0.0400
196	-0.2400	248	-0.2490	330	0.0390
197	-0.2220	249	-0.2330	331	0.0410
198	-0.2230	250	0.0380	332	0.0430
199	-0.2340	251	-0.2110	333	0.0430
200	-0.2480	252	-0.2010	334	0.0410
201	-0.2320	253	-0.0210	335	0.0390
202	-0.2030	254	-0.1610	336	0.0390
203	-0.2260	255	-0.8380	337	0.0410
204	-0.2370	256	-0.8040	338	0.0410
205	0.0010	257	-0.7390	339	0.0430
206	0.0420	258	-0.5660	340	0.0410
207	0.0100	259	-0.3680	341	0.0400
208	-0.0270	260	-0.3170	350	-0.0230
210	0.0610	261	-0.2890	351	0.0420
211	0.1470	262	-0.2710	352	0.0380
212	0.0090	263	-0.3510	353	0.0380
213	-0.9780	264	-0.2250	354	0.0370
214	-0.7830	265	-0.0710	355	0.0370
215	-0.6870	266	-0.0490		
216	-0.4690	267	-0.3490		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 411
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 13.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.898
TUNNEL DYNAMIC PRESSURE(PSF) = 651.
TUNNEL STAGNATION PRESSURE(PSF) = 1945.
TUNNEL STATIC PRESSURE(PSF) = 1152.
REYNOLDS NUMBER PER FOOT = 3.9790E 06
MODEL ANGLE OF ATTACK(DEG) = 14.15
FIN ANGLE(DEG) = -0.42
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.7104
247	0.7094
347	0.7104
447	0.7104
547	0.7084
647	0.7084
747	0.7074

ORF	CP	ORF	CP	ORF	CP
1	-0.3256	52	-0.4106	102	-0.3626
2	-0.6006	53	-0.4766	103	-0.6456
3	-0.5676	54	-0.4276	104	-0.6286
4	-0.4576	55	-0.9196	105	-0.4956
5	-0.4006	56	-0.8406	110	-0.0506
6	-0.3646	57	-0.6596	111	-0.1266
7	-0.3376	58	-0.5216	112	-0.0466
8	-0.3216	59	-0.4496	113	-0.1596
9	-0.3176	60	-0.4036	114	-0.2326
10	-0.3136	61	-0.4006	115	-0.1296
11	-0.3126	62	-0.4106	116	0.0944
12	-0.3126	63	-0.4486	117	0.1044
13	-0.3276	64	-0.5786	118	0.1054
14	-0.4046	65	-0.5756	119	-0.0076
15	-0.3856	66	-0.9466	120	0.0124
16	-0.4946	67	-0.9866	121	-0.0716
17	-0.4796	68	-0.9386	122	-0.0736
18	-0.4306	69	-0.8126	123	-0.0746
19	-0.3886	70	-0.6496	124	-0.1026
20	-0.3656	71	-0.5286	125	-0.0776
21	-0.3436	72	-0.4876	126	-0.0716
22	-0.3326	73	-0.5216	127	-0.0776
23	-0.3266	74	-0.5576	128	-0.1206
24	-0.3226	75	-0.9456	129	-0.0316
25	-0.3206	76	-0.9996	135	-0.0386
26	-0.3316	77	-1.0576	136	-0.0516
27	-0.3536	78	-1.0186	137	-0.0346
28	-0.4146	79	-0.9436	138	0.0594
29	-0.3876	80	-0.8186	139	0.0674
30	-0.5556	81	-0.7456	140	0.0654
32	-0.3946	82	-0.5566	141	0.1414
33	-0.3596	83	-0.8176	142	0.1204
34	-0.3476	84	-1.0076	143	0.1374
35	-0.3366	85	-1.0626	145	-0.0556
36	-0.3366	86	-1.0836	147	0.1164
37	-0.3386	87	-1.0326	151	-0.1756
38	-0.3386	88	-0.9026	152	-0.2266
39	-0.3446	89	-0.6096	153	-0.2346
40	-0.3676	90	-0.9576	154	-0.2276
41	-0.4096	91	-0.9496	155	-0.0956
42	-0.3836	92	-0.8906	156	-0.1556
43	-0.7736	93	-0.8386	157	-0.1936
44	-0.5896	94	-0.7986	158	0.0284
45	-0.4466	95	-0.6606	159	-0.0886
46	-0.3806	96	-0.3406	160	-0.1186
47	-0.3686	97	-0.4526	161	-0.1596
48	-0.3656	98	0.0894	162	0.0624
49	-0.3656	99	0.1084	163	-0.0146
50	-0.3706	100	-0.4526	164	0.0594
51	-0.3846	101	-0.3916	165	-0.1336

ORF	CP	ORF	CP	ORF	CP
166	0.1534	217	-0.3956	268	-0.2526
167	0.0314	218	-0.2676	269	-0.1036
168	0.0064	219	-0.2286	270	-0.0426
169	-0.0626	220	-0.2316	271	-0.3786
170	-0.0126	221	-0.6266	272	-0.2966
171	-0.0476	222	-0.6516	273	-0.0646
172	-0.1536	223	-0.2056	274	-0.0266
173	-0.0706	224	-0.1306	275	0.0894
174	-0.1306	225	0.1584	276	-0.0406
175	-0.2026	226	-0.0046	277	-0.1826
176	-0.2216	227	-1.2986	278	-0.9266
177	-0.3126	228	-1.2206	279	-0.8776
178	-0.3506	229	-1.0446	280	-0.7756
179	-0.2716	230	-0.7586	281	-0.6086
180	-0.2186	231	-0.4096	282	-0.4186
181	-0.0736	232	-0.2846	283	-0.3506
182	0.0364	233	-0.2476	284	-0.3156
183	0.2154	234	-0.2266	285	-0.3146
184	0.3404	235	-0.4476	286	-0.3826
185	0.3764	236	-0.3356	287	-0.3336
186	0.3644	237	-0.1116	288	-0.0636
187	0.3344	238	-0.0346	289	0.0364
188	0.3924	239	0.0824	290	-0.0896
189	0.4014	240	-0.0366	291	-0.4226
190	-0.2366	241	-0.9826	292	0.2304
191	-0.2596	242	-0.9376	325	0.0384
192	-0.2346	244	-0.7306	326	0.0364
193	-0.2696	245	-0.4566	327	0.0374
194	-0.2656	246	-0.3366	328	0.0374
195	-0.2666	247	-0.2786	329	0.0374
196	-0.2396	248	-0.2586	330	0.0374
197	-0.2226	249	-0.2536	331	0.0374
198	-0.2396	250	0.0394	332	0.0364
199	-0.2446	251	-0.2026	333	0.0364
200	-0.2676	252	-0.2146	334	0.0364
201	-0.2526	253	-0.0426	335	0.0384
202	-0.2046	254	-0.1916	336	0.0364
203	-0.2366	255	-0.8626	337	0.0384
204	-0.2556	256	-0.8346	338	0.0364
205	-0.0286	257	-0.7856	339	0.0374
206	0.0164	258	-0.6216	340	0.0364
207	-0.0196	259	-0.4166	341	0.0364
208	-0.0486	260	-0.3576	350	-0.0166
210	0.0444	261	-0.3136	351	0.0394
211	0.1734	262	-0.2876	352	0.0404
212	0.0324	263	-0.3656	353	0.0384
213	-1.0846	264	-0.2536	354	0.0374
214	-0.9176	265	-0.1126	355	0.0384
215	-0.7846	266	-0.0876		
216	-0.6546	267	-0.3676		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 412
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 13.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.898
TUNNEL DYNAMIC PRESSURE(PSF) = 651.
TUNNEL STAGNATION PRESSURE(PSF) = 1945.
TUNNEL STATIC PRESSURE(PSF) = 1152.
REYNOLDS NUMBER PER FOOT = 3.9810E 06
MODEL ANGLE OF ATTACK(DEG) = 0.12
FIN ANGLE(DEG) = -0.58
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 542.

SCANIVALE	CP(REF)
147	0.7104
247	0.7104
347	0.7104
447	0.7104
547	0.7074
647	0.7064
747	0.7074

ORF	CP	ORF	CP	ORF	CP
1	0.0304	52	-0.1636	102	-0.1996
2	-0.3706	53	-0.4336	103	-0.4886
3	-0.3666	54	-0.2896	104	-0.4896
4	-0.2566	55	0.0724	105	-0.2966
5	-0.1466	56	0.0474	110	-0.0786
6	-0.0856	57	0.0294	111	-0.1066
7	-0.0516	58	0.0084	112	-0.0646
8	-0.0356	59	-0.0166	113	-0.1036
9	-0.0336	60	-0.0436	114	-0.1156
10	-0.0356	61	-0.0796	115	-0.0626
11	-0.0416	62	-0.1266	116	0.0084
12	-0.0576	63	-0.2106	117	0.0294
13	-0.0896	64	-0.6106	118	0.0344
14	-0.2166	65	-0.4196	119	-0.0066
15	-0.2266	66	0.0624	120	0.0254
16	-0.1626	67	0.0304	121	0.0074
17	-0.1636	68	0.0064	122	0.0114
18	-0.1166	69	-0.0226	123	-0.1016
19	-0.0716	70	-0.0616	124	-0.0426
20	-0.0456	71	-0.1016	125	-0.0226
21	-0.0296	72	-0.1596	126	0.0024
22	-0.0216	73	-0.2666	127	-0.0136
23	-0.0246	74	-0.5456	128	-0.1226
24	-0.0306	75	0.0454	129	-0.0466
25	-0.0406	76	0.0044	135	0.0234
26	-0.0646	77	-0.0406	136	0.0164
27	-0.1106	78	-0.0836	137	0.0224
28	-0.2526	79	-0.1326	138	0.1044
29	-0.2496	80	-0.1986	139	0.1064
30	-0.0456	81	-0.3576	140	0.1084
32	-0.0236	82	-0.6386	141	0.1164
33	-0.0126	83	0.0174	142	0.1144
34	-0.0106	84	-0.0426	143	0.1164
35	-0.0106	85	-0.0996	145	0.0164
36	-0.0136	86	-0.1466	147	0.1184
37	-0.0286	87	-0.2046	151	-0.0216
38	-0.0446	88	-0.3176	152	-0.2046
39	-0.0726	89	-0.6366	153	-0.2026
40	-0.1236	90	-0.0786	154	-0.2666
41	-0.2526	91	-0.1186	155	0.0064
42	-0.2576	92	-0.1616	156	0.1084
43	0.0444	93	-0.2116	157	-0.0606
44	0.0294	94	-0.3026	158	0.3434
45	0.0154	95	-0.5956	159	0.2514
46	0.0094	96	-0.3726	160	0.1954
47	-0.0026	97	-0.5486	161	0.0684
48	-0.0136	98	-0.0016	162	0.3144
49	-0.0346	99	-0.0516	163	0.2824
50	-0.0596	100	-0.3376	164	0.1034
51	-0.1006	101	-0.2286	165	0.0104

ORF	CP	ORF	CP	ORF	CP
166	0.3874	217	-0.0996	268	-0.1616
167	0.2874	218	-0.0566	269	0.1144
168	0.2294	219	-0.0496	270	0.1914
169	0.0744	220	-0.0826	271	-0.2156
170	0.1714	221	-0.4816	272	-0.2456
171	0.1724	222	-0.4586	273	0.0534
172	-0.0786	223	-0.0036	274	0.1294
173	0.0074	224	-0.0036	275	0.3304
174	-0.0896	225	0.2094	276	0.2964
175	-0.2416	226	0.0564	277	0.1284
176	-0.2566	227	-0.5976	278	-0.7236
177	-0.2246	228	-0.5726	279	-0.6906
178	-0.3856	229	-0.5116	280	-0.6226
179	-0.3976	230	-0.3366	281	-0.4546
180	-0.2156	231	-0.1276	282	-0.1836
181	0.3004	232	-0.0726	283	-0.0696
182	0.4244	233	-0.0546	284	-0.0266
183	0.4044	234	-0.0736	285	-0.0666
184	0.5864	235	-0.2536	286	-0.2216
185	0.6494	236	-0.2666	287	-0.2796
186	0.7074	237	-0.0766	288	0.0114
187	0.7574	238	-0.0166	289	0.1624
188	0.8074	239	0.1994	290	0.1454
189	0.8524	240	0.0934	291	-0.5146
190	-0.1926	241	-0.5676	292	-0.0426
191	-0.1936	242	-0.5496	325	0.0284
192	-0.2096	244	-0.2856	326	0.0284
193	-0.2076	245	-0.1226	327	0.0294
194	-0.1996	246	-0.0796	328	0.0294
195	-0.1946	247	-0.0576	329	0.0284
196	-0.2236	248	-0.0496	330	0.0304
197	-0.2016	249	-0.0726	331	0.0294
198	-0.1986	250	0.0304	332	0.0304
199	-0.2026	251	-0.1806	333	0.0304
200	-0.1996	252	-0.0686	334	0.0284
201	-0.1846	253	0.2314	335	0.0324
202	-0.1886	254	0.0794	336	0.0284
203	-0.1886	255	-0.6206	337	0.0274
204	-0.1886	256	-0.6096	338	0.0284
205	0.2134	257	-0.5806	339	0.0304
206	0.2354	258	-0.4496	340	0.0294
207	0.2404	259	-0.1726	341	0.0284
208	0.2414	260	-0.0626	350	-0.0036
210	0.2864	261	-0.0336	351	0.0284
211	0.2594	262	-0.0346	352	0.0294
212	0.0994	263	-0.1866	353	0.0324
213	-0.7176	264	-0.1056	354	0.0314
214	-0.6036	265	0.1364	355	0.0324
215	-0.5066	266	0.1684		
216	-0.2776	267	-0.2026		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 428
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 11.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.799
TUNNEL DYNAMIC PRESSURE(PSF) = 602.
TUNNEL STAGNATION PRESSURE(PSF) = 2052.
TUNNEL STATIC PRESSURE(PSF) = 1348.
REYNOLDS NUMBER PER FOOT = 3.9930E 06
MODEL ANGLE OF ATTACK(DEG) = -14.21
FIN ANGLE(DEG) = -0.33
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.4418
247	0.4408
347	0.4408
447	0.4418
547	0.4378
647	0.4368
747	0.4368

ORF	CP	ORF	CP	ORF	CP
1	0.4058	52	0.0528	102	-0.1622
2	0.1868	53	-0.1952	103	-0.6432
3	0.2558	54	-0.1662	104	-0.5202
4	0.2958	55	0.5678	105	-0.3932
5	0.3228	56	0.4818	110	-0.0752
6	0.3258	57	0.4228	111	-0.0842
7	0.3198	58	0.3688	112	-0.0572
8	0.3098	59	0.3218	113	-0.0982
9	0.2958	60	0.2618	114	-0.2502
10	0.2738	61	0.1968	115	0.0538
11	0.2488	62	0.1138	116	0.0608
12	0.2118	63	-0.0062	117	0.0488
13	0.1568	64	-0.2792	118	0.0518
14	-0.0582	65	-0.2982	119	-0.0242
15	-0.1102	66	0.5378	120	-0.0442
16	0.4638	67	0.4488	121	-0.0932
17	0.4238	68	0.3768	122	-0.0932
18	0.4078	69	0.3058	123	-0.1592
19	0.3908	70	0.2428	124	-0.1432
20	0.3728	71	0.1718	125	-0.1072
21	0.3568	72	0.0718	126	-0.0892
22	0.3328	73	-0.0872	127	-0.1062
23	0.3048	74	-0.2952	128	-0.1802
24	0.2778	75	0.5018	129	-0.1002
25	0.2438	76	0.3958	135	-0.0622
26	0.1968	77	0.3028	136	-0.0842
27	0.1238	78	0.2178	137	-0.0562
28	-0.0572	79	0.1288	138	0.0478
29	-0.1302	80	0.0228	139	0.0218
30	0.5338	81	-0.1802	140	0.0498
32	0.4438	82	-0.2832	141	0.1578
33	0.4098	83	0.4088	142	0.1748
34	0.3778	84	0.3278	143	0.1718
35	0.3498	85	0.2158	145	-0.0872
36	0.3198	86	0.1098	147	0.1688
37	0.2818	87	0.0048	151	0.0688
38	0.2368	88	-0.1502	152	-0.1742
39	0.1848	89	-0.2782	153	-0.1752
40	0.1058	90	0.3178	154	-0.2982
41	-0.0512	91	0.1488	155	0.1198
42	-0.1342	92	0.0458	156	0.2198
43	0.5618	93	-0.0392	157	-0.0262
44	0.4958	94	-0.1432	158	0.5968
45	0.4418	95	-0.2392	159	0.3318
46	0.4028	96	-0.7872	160	0.2758
47	0.3638	97	-0.3822	161	0.0958
48	0.3188	98	-1.0452	162	0.4608
49	0.2678	99	-0.5672	163	0.3308
50	0.2158	100	-0.3392	164	0.0178
51	0.1488	101	-0.2192	165	-0.0002

ORF	CP	ORF	CP	ORF	CP
166	0.3268	217	-0.1172	268	0.0058
167	0.2478	218	0.0978	269	0.3508
168	0.1718	219	0.1468	270	0.4828
169	-0.0052	220	0.0908	271	-0.1992
170	0.2688	221	-0.3802	272	-0.0482
171	0.0618	222	-0.3252	273	0.3358
172	-0.1312	223	0.1068	274	0.3968
173	0.0918	224	0.0828	275	0.4368
174	-0.0372	225	0.4328	276	0.5518
175	-0.2402	226	0.2308	277	0.4108
176	-0.3142	227	-0.4812	278	-0.3332
177	-0.2082	228	-0.4812	279	-0.1652
178	-0.3922	229	-0.4732	280	0.0308
179	-0.3372	230	-0.3942	281	0.2278
180	-0.2582	231	-0.0562	282	0.3088
181	0.4718	232	0.1098	283	0.3098
182	0.6338	233	0.1508	284	0.2878
183	0.2838	234	0.1128	285	0.1698
184	0.3678	235	-0.0852	286	-0.2352
185	0.4688	236	-0.0642	287	-0.0482
186	0.6298	237	0.0938	288	0.1878
187	0.8258	238	0.1488	289	0.1988
188	1.0038	239	0.4888	290	0.3788
189	1.0988	240	0.3638	291	-0.8312
190	-0.2362	241	-0.5132	292	-0.2702
191	-0.2362	242	-0.4992	325	-0.0292
192	-0.2542	244	-0.2112	326	-0.0282
193	-0.2592	245	0.0838	327	-0.0302
194	-0.2372	246	0.1578	328	-0.0272
195	-0.2482	247	0.1798	329	-0.0282
196	-0.2632	248	0.1678	330	-0.0282
197	-0.2572	249	0.1458	331	-0.0262
198	-0.2532	250	-0.0302	332	-0.0292
199	-0.2532	251	-0.2252	333	-0.0272
200	-0.2372	252	0.0238	334	-0.0282
201	-0.2332	253	0.5338	335	-0.0272
202	-0.2462	254	0.3548	336	-0.0312
203	-0.2442	255	-0.3552	337	-0.0292
204	-0.2452	256	-0.3262	338	-0.0282
205	-0.0932	257	-0.2712	339	-0.0302
206	-0.0332	258	-0.0432	340	-0.0272
207	-0.0642	259	0.1758	341	-0.0302
208	0.1008	260	0.2238	350	-0.0302
210	0.6358	261	0.2268	351	-0.0322
211	0.4548	262	0.1908	352	-0.0312
212	0.2708	263	-0.0362	353	-0.0322
213	-0.4792	264	0.0468	354	-0.0312
214	-0.4652	265	0.3328	355	-0.0312
215	-0.4662	266	0.4088		
216	-0.4072	267	-0.0812		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 429
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 11.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.801
TUNNEL DYNAMIC PRESSURE(PSF) = 604.
TUNNEL STAGNATION PRESSURE(PSF) = 2052.
TUNNEL STATIC PRESSURE(PSF) = 1344.
REYNOLDS NUMBER PER FOOT = 3.9980E 06
MODEL ANGLE OF ATTACK(DEG) = -12.07
FIN ANGLE(DEG) = -0.48
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCAN VALUE	CP(REF)
147	0.4448
247	0.4438
347	0.4448
447	0.4458
547	0.4488
647	0.4488
747	0.4488

ORF	CP	ORF	CP	ORF	CP
1	0.3348	52	0.0188	102	-0.1532
2	0.0818	53	-0.2272	103	-0.5942
3	0.1598	54	-0.1792	104	-0.5102
4	0.2188	55	0.5108	105	-0.3662
5	0.2478	56	0.4248	110	-0.0772
6	0.2598	57	0.3708	111	-0.0842
7	0.2608	58	0.3258	112	-0.0612
8	0.2528	59	0.2798	113	-0.0962
9	0.2418	60	0.2208	114	-0.2252
10	0.2248	61	0.1548	115	0.0288
11	0.2038	62	0.0808	116	0.0438
12	0.1728	63	-0.0382	117	0.0408
13	0.1188	64	-0.3092	118	0.0428
14	-0.0942	65	-0.3102	119	-0.0232
15	-0.1292	66	0.4878	120	-0.0282
16	0.3818	67	0.3968	121	-0.0642
17	0.3468	68	0.3298	122	-0.0662
18	0.3368	69	0.2658	123	-0.1422
19	0.3208	70	0.2028	124	-0.1142
20	0.3108	71	0.1388	125	-0.0952
21	0.2958	72	0.0388	126	-0.0732
22	0.2818	73	-0.1182	127	-0.0762
23	0.2558	74	-0.3002	128	-0.1682
24	0.2318	75	0.4548	129	-0.0962
25	0.2028	76	0.3508	135	-0.0352
26	0.1608	77	0.2648	136	-0.0542
27	0.0868	78	0.1828	137	-0.0382
28	-0.0912	79	0.0938	138	0.0648
29	-0.1432	80	-0.0112	139	0.0508
30	0.4588	81	-0.2012	140	0.0698
32	0.3798	82	-0.2832	141	0.1408
33	0.3538	83	0.3658	142	0.1588
34	0.3228	84	0.2838	143	0.1548
35	0.2918	85	0.1738	145	-0.0522
36	0.2688	86	0.0788	147	0.1598
37	0.2408	87	-0.0192	151	0.0648
38	0.2028	88	-0.1692	152	-0.1622
39	0.1478	89	-0.2692	153	-0.1902
40	0.0708	90	0.2768	154	-0.2972
41	-0.0802	91	0.1108	155	0.1868
42	-0.1432	92	0.0198	156	0.2178
43	0.5008	93	-0.0602	157	-0.0202
44	0.4318	94	-0.1552	158	0.5858
45	0.3828	95	-0.2212	159	0.3378
46	0.3488	96	-0.7732	160	0.2848
47	0.3158	97	-0.3922	161	0.1058
48	0.2738	98	-1.0852	162	0.4608
49	0.2288	99	-0.6582	163	0.3448
50	0.1788	100	-0.3232	164	0.0518
51	0.1108	101	-0.2222	165	0.0198

ORF	CP	ORF	CP	ORF	CP
166	0.3328	217	-0.1642	268	-0.0042
167	0.2658	218	0.0618	269	0.3398
168	0.1918	219	0.1148	270	0.4698
169	0.0148	220	0.0598	271	-0.1892
170	0.2728	221	-0.3832	272	-0.0832
171	0.0768	222	-0.3352	273	0.3328
172	-0.1262	223	0.0938	274	0.3808
173	0.0938	224	0.0758	275	0.4378
174	-0.0202	225	0.4138	276	0.5098
175	-0.2342	226	0.2128	277	0.3648
176	-0.3022	227	-0.5212	278	-0.4082
177	-0.1942	228	-0.5312	279	-0.3042
178	-0.3812	229	-0.5202	280	-0.0902
179	-0.2812	230	-0.4442	281	0.1418
180	-0.2512	231	-0.1222	282	0.2418
181	0.4358	232	0.0668	283	0.2468
182	0.6028	233	0.1168	284	0.2428
183	0.2828	234	0.0858	285	0.1398
184	0.3958	235	-0.1122	286	-0.2162
185	0.5028	236	-0.0902	287	-0.1002
186	0.6868	237	0.0718	288	0.2018
187	0.8828	238	0.1208	289	0.2118
188	1.0538	239	0.4728	290	0.3638
189	1.1348	240	0.3408	291	-0.7322
190	-0.2282	241	-0.5742	292	-0.2552
191	-0.2262	242	-0.5572	325	-0.0182
192	-0.2392	244	-0.2762	326	-0.0172
193	-0.2412	245	0.0338	327	-0.0162
194	-0.2302	246	0.1148	328	-0.0172
195	-0.2322	247	0.1368	329	-0.0202
196	-0.2652	248	0.1388	330	-0.0202
197	-0.2462	249	0.1138	331	-0.0172
198	-0.2412	250	-0.0222	332	-0.0172
199	-0.2442	251	-0.2142	333	-0.0172
200	-0.2272	252	0.0158	334	-0.0192
201	-0.2352	253	0.4988	335	-0.0202
202	-0.2392	254	0.3148	336	-0.0192
203	-0.2342	255	-0.4182	337	-0.0192
204	-0.2312	256	-0.3902	338	-0.0172
205	-0.0082	257	-0.3372	339	-0.0172
206	0.0458	258	-0.1232	340	-0.0182
207	0.0288	259	0.1188	341	-0.0202
208	0.1518	260	0.1758	350	-0.0202
210	0.6078	261	0.1868	351	-0.0182
211	0.4298	262	0.1568	352	-0.0212
212	0.2438	263	-0.0592	353	-0.0182
213	-0.5222	264	0.0428	354	-0.0222
214	-0.5012	265	0.3198	355	-0.0222
215	-0.5052	266	0.3898		
216	-0.4472	267	-0.0952		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 430
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 11.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.798
TUNNEL DYNAMIC PRESSURE(PSF) = 601.
TUNNEL STAGNATION PRESSURE(PSF) = 2053.
TUNNEL STATIC PRESSURE(PSF) = 1349.
REYNOLDS NUMBER PER FOOT = 3.9900E 06
MODEL ANGLE OF ATTACK(DEG) = -8.07
FIN ANGLE(DEG) = -0.14
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.4364
247	0.4354
347	0.4364
447	0.4374
547	0.4344
647	0.4344
747	0.4334

ORF	CP	ORF	CP	ORF	CP
1	0.2254	52	-0.0436	102	-0.1606
2	-0.0656	53	-0.2846	103	-0.5116
3	0.0094	54	-0.2126	104	-0.4666
4	0.0874	55	0.3964	105	-0.3066
5	0.1314	56	0.3194	110	-0.0826
6	0.1454	57	0.2754	111	-0.0906
7	0.1524	58	0.2284	112	-0.0676
8	0.1494	59	0.1904	113	-0.0936
9	0.1404	60	0.1344	114	-0.1746
10	0.1334	61	0.0744	115	-0.0046
11	0.1174	62	0.0054	116	0.0194
12	0.0884	63	-0.1026	117	0.0254
13	0.0414	64	-0.3626	118	0.0204
14	-0.1386	65	-0.3386	119	-0.0206
15	-0.1516	66	0.3754	120	-0.0146
16	0.2284	67	0.2934	121	-0.0396
17	0.2064	68	0.2284	122	-0.0396
18	0.2024	69	0.1764	123	-0.1496
19	0.1974	70	0.1264	124	-0.0766
20	0.1964	71	0.0554	125	-0.0716
21	0.1884	72	-0.0346	126	-0.0486
22	0.1774	73	-0.1736	127	-0.0556
23	0.1574	74	-0.3106	128	-0.1626
24	0.1424	75	0.3464	129	-0.0866
25	0.1144	76	0.2494	135	-0.0186
26	0.0844	77	0.1754	136	-0.0206
27	0.0164	78	0.1044	137	-0.0156
28	-0.1476	79	0.0224	138	0.0654
29	-0.1716	80	-0.0736	139	0.0684
30	0.3204	81	-0.2536	140	0.0714
32	0.2664	82	-0.2816	141	0.1104
33	0.2444	83	0.2734	142	0.1114
34	0.2164	84	0.1874	143	0.1124
35	0.1934	85	0.0924	145	-0.0236
36	0.1724	86	0.0094	147	0.1164
37	0.1494	87	-0.0726	151	0.0524
38	0.1184	88	-0.2026	152	-0.1546
39	0.0714	89	-0.2566	153	-0.1866
40	0.0014	90	0.1744	154	-0.2806
41	-0.1396	91	0.0304	155	0.1914
42	-0.1736	92	-0.0446	156	0.1924
43	0.3824	93	-0.1046	157	-0.0216
44	0.3184	94	-0.1946	158	0.5204
45	0.2824	95	-0.2136	159	0.3314
46	0.2504	96	-0.7126	160	0.2784
47	0.2214	97	-0.3926	161	0.1114
48	0.1824	98	-0.7746	162	0.4314
49	0.1414	99	-0.6406	163	0.3494
50	0.0964	100	-0.3376	164	0.0674
51	0.0354	101	-0.2026	165	0.0254

ORF	CP	ORF	CP	ORF	CP
166	0.3144	217	-0.2136	268	-0.0646
167	0.3074	218	-0.0146	269	0.2764
168	0.2394	219	0.0484	270	0.3814
169	0.0574	220	-0.0016	271	-0.1836
170	0.3674	221	-0.4276	272	-0.1776
171	0.1314	222	-0.3806	273	0.2644
172	-0.0966	223	0.0464	274	0.3184
173	0.1054	224	0.0554	275	0.3694
174	-0.0036	225	0.3464	276	0.4524
175	-0.2406	226	0.1434	277	0.2764
176	-0.2916	227	-0.6126	278	-0.5376
177	-0.1896	228	-0.6126	279	-0.4706
178	-0.3676	229	-0.5996	280	-0.3036
179	-0.2756	230	-0.4956	281	-0.0116
180	-0.2336	231	-0.1696	282	0.1224
181	0.3834	232	-0.0136	283	0.1314
182	0.5434	233	0.0464	284	0.1344
183	0.3424	234	0.0194	285	0.0564
184	0.4844	235	-0.1666	286	-0.1896
185	0.6214	236	-0.1556	287	-0.2306
186	0.8084	237	0.0214	288	0.1834
187	1.0314	238	0.0764	289	0.2184
188	1.1474	239	0.4144	290	0.3034
189	1.1674	240	0.2764	291	-0.5866
190	-0.2116	241	-0.6776	292	-0.1956
191	-0.2076	242	-0.6556	325	-0.0056
192	-0.2166	244	-0.3566	326	-0.0016
193	-0.2186	245	-0.0546	327	-0.0026
194	-0.2056	246	0.0284	328	-0.0026
195	-0.2146	247	0.0654	329	-0.0036
196	-0.2466	248	0.0734	330	-0.0026
197	-0.2176	249	0.0644	331	-0.0026
198	-0.2126	250	-0.0046	332	-0.0036
199	-0.2156	251	-0.2006	333	-0.0026
200	-0.2116	252	-0.0106	334	-0.0016
201	-0.2086	253	0.4484	335	-0.0016
202	-0.2156	254	0.2414	336	-0.0046
203	-0.2116	255	-0.5496	337	-0.0056
204	-0.2126	256	-0.5246	338	-0.0026
205	0.1184	257	-0.4756	339	-0.0026
206	0.1494	258	-0.2446	340	-0.0036
207	0.1414	259	0.0154	341	-0.0036
208	0.1964	260	0.0854	350	-0.0206
210	0.5264	261	0.1024	351	-0.0046
211	0.3694	262	0.0854	352	-0.0056
212	0.1754	263	-0.0996	353	-0.0026
213	-0.6026	264	-0.0036	354	-0.0026
214	-0.5956	265	0.2604	355	-0.0076
215	-0.5866	266	0.3204		
216	-0.5256	267	-0.1246		

SATURN IB PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 431
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 11.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.798
TUNNEL DYNAMIC PRESSURE(PSF) = 601.
TUNNEL STAGNATION PRESSURE(PSF) = 2053.
TUNNEL STATIC PRESSURE(PSF) = 1349.
REYNOLDS NUMBER PER FOOT = 3.9920E 06
MODEL ANGLE OF ATTACK(DEG) = -6.06
FIN ANGLE(DEG) = -0.14
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.4384
247	0.4364
347	0.4364
447	0.4364
547	0.4394
647	0.4384
747	0.4384

ORF	CP	ORF	CP	ORF	CP
1	0.1714	52	-0.0826	102	-0.1666
2	-0.0886	53	-0.3226	103	-0.4956
3	-0.0286	54	-0.2376	104	-0.4636
4	0.0444	55	0.3244	105	-0.3076
5	0.0764	56	0.2594	110	-0.0906
6	0.0924	57	0.2234	111	-0.0966
7	0.0974	58	0.1754	112	-0.0696
8	0.0934	59	0.1304	113	-0.0946
9	0.0914	60	0.0874	114	-0.1516
10	0.0824	61	0.0364	115	-0.0196
11	0.0694	62	-0.0316	116	0.0094
12	0.0414	63	-0.1396	117	0.0124
13	0.0004	64	-0.3956	118	0.0234
14	-0.1566	65	-0.3576	119	-0.0226
15	-0.1726	66	0.3034	120	-0.0036
16	0.1574	67	0.2274	121	-0.0306
17	0.1394	68	0.1694	122	-0.0306
18	0.1374	69	0.1174	123	-0.1486
19	0.1374	70	0.0714	124	-0.0696
20	0.1284	71	0.0104	125	-0.0586
21	0.1264	72	-0.0696	126	-0.0306
22	0.1184	73	-0.2156	127	-0.0436
23	0.1034	74	-0.3386	128	-0.1596
24	0.0944	75	0.2814	129	-0.0786
25	0.0684	76	0.1924	135	-0.0086
26	0.0364	77	0.1234	136	-0.0126
27	-0.0216	78	0.0534	137	-0.0086
28	-0.1716	79	-0.0196	138	0.0754
29	-0.1846	80	-0.1156	139	0.0764
30	0.2604	81	-0.2946	140	0.0784
32	0.1974	82	-0.2986	141	0.1014
33	0.1804	83	0.2104	142	0.1064
34	0.1584	84	0.1304	143	0.1064
35	0.1374	85	0.0434	145	-0.0156
36	0.1254	86	-0.0286	147	0.1064
37	0.0964	87	-0.1076	151	0.0444
38	0.0684	88	-0.2366	152	-0.1506
39	0.0284	89	-0.2766	153	-0.1806
40	-0.0386	90	0.1154	154	-0.2666
41	-0.1806	91	-0.0256	155	0.1804
42	-0.1966	92	-0.0886	156	0.1614
43	0.3194	93	-0.1436	157	-0.0386
44	0.2574	94	-0.2196	158	0.4704
45	0.2204	95	-0.2226	159	0.3074
46	0.1914	96	-0.5956	160	0.2484
47	0.1674	97	-0.4186	161	0.0944
48	0.1314	98	-0.4146	162	0.4044
49	0.0934	99	-0.4996	163	0.3314
50	0.0524	100	-0.3806	164	0.0794
51	-0.0026	101	-0.2106	165	0.0254

ORF	CP	ORF	CP	ORF	CP
166	0.3104	217	-0.2046	268	-0.0816
167	0.2924	218	-0.0366	269	0.2314
168	0.2454	219	0.0174	270	0.3324
169	0.0624	220	-0.0316	271	-0.1896
170	0.3404	221	-0.4396	272	-0.1966
171	0.1414	222	-0.4016	273	0.2204
172	-0.0866	223	0.0524	274	0.2804
173	0.0784	224	0.0414	275	0.3304
174	-0.0236	225	0.3044	276	0.3874
175	-0.2386	226	0.1074	277	0.2294
176	-0.2806	227	-0.6406	278	-0.5176
177	-0.1856	228	-0.6416	279	-0.4436
178	-0.3446	229	-0.6226	280	-0.2746
179	-0.2426	230	-0.5016	281	-0.0396
180	-0.2276	231	-0.1696	282	0.0684
181	0.3484	232	-0.0386	283	0.0784
182	0.4904	233	0.0104	284	0.0894
183	0.3504	234	-0.0096	285	0.0194
184	0.5114	235	-0.1866	286	-0.1946
185	0.6334	236	-0.1756	287	-0.2436
186	0.8054	237	0.0074	288	0.1544
187	0.9834	238	0.0594	289	0.2134
188	1.1104	239	0.3644	290	0.2594
189	1.1454	240	0.2324	291	-0.5396
190	-0.2046	241	-0.7036	292	-0.1646
191	-0.2016	242	-0.6766	325	-0.0026
192	-0.2126	244	-0.3626	326	-0.0036
193	-0.2106	245	-0.0806	327	-0.0036
194	-0.2026	246	-0.0066	328	0.0004
195	-0.2046	247	0.0294	329	-0.0016
196	-0.2256	248	0.0354	330	-0.0026
197	-0.2106	249	0.0314	331	-0.0026
198	-0.2096	250	0.0014	332	-0.0016
199	-0.2126	251	-0.1866	333	0.0014
200	-0.2076	252	-0.0226	334	-0.0006
201	-0.1956	253	0.3724	335	-0.0026
202	-0.2016	254	0.1924	336	-0.0006
203	-0.2056	255	-0.5966	337	-0.0026
204	-0.1996	256	-0.5536	338	-0.0036
205	0.1594	257	-0.4876	339	-0.0036
206	0.1754	258	-0.2516	340	0.0004
207	0.1754	259	-0.0156	341	-0.0016
208	0.2054	260	0.0404	350	-0.0226
210	0.4744	261	0.0584	351	-0.0006
211	0.3384	262	0.0494	352	-0.0016
212	0.1484	263	-0.1196	353	-0.0026
213	-0.6596	264	-0.0246	354	0.0024
214	-0.6386	265	0.2194	355	0.0004
215	-0.6286	266	0.2744		
216	-0.5356	267	-0.1426		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 432
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 11.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.799
TUNNEL DYNAMIC PRESSURE(PSF) = 603.
TUNNEL STAGNATION PRESSURE(PSF) = 2053.
TUNNEL STATIC PRESSURE(PSF) = 1347.
REYNOLDS NUMBER PER FOOT = 3.9950E 06
MODEL ANGLE OF ATTACK(DEG) = -3.98
FIN ANGLE(DEG) = -0.17
FREE° STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.4412
247	0.4402
347	0.4412
447	0.4422
547	0.4462
647	0.4442
747	0.4452

ORF	CP	ORF	CP	ORF	CP
1	0.0812	52	-0.1128	102	-0.1708
2	-0.1548	53	-0.3558	103	-0.4928
3	-0.0948	54	-0.2568	104	-0.4798
4	-0.0138	55	0.2482	105	-0.3048
5	0.0172	56	0.1942	110	-0.0898
6	0.0362	57	0.1582	111	-0.0988
7	0.0382	58	0.1162	112	-0.0688
8	0.0362	59	0.0772	113	-0.0988
9	0.0382	60	0.0382	114	-0.1368
10	0.0312	61	-0.0108	115	-0.0288
11	0.0162	62	-0.0718	116	0.0162
12	-0.0048	63	-0.1718	117	0.0232
13	-0.0378	64	-0.4328	118	0.0212
14	-0.1738	65	-0.3818	119	-0.0218
15	-0.1768	66	0.2292	120	0.0082
16	0.0752	67	0.1572	121	-0.0128
17	0.0622	68	0.1112	122	-0.0158
18	0.0662	69	0.0692	123	-0.1308
19	0.0622	70	0.0212	124	-0.0548
20	0.0632	71	-0.0318	125	-0.0428
21	0.0622	72	-0.1058	126	-0.0238
22	0.0592	73	-0.2458	127	-0.0338
23	0.0472	74	-0.3568	128	-0.1438
24	0.0332	75	0.2062	129	-0.0648
25	0.0152	76	0.1342	135	0.0062
26	-0.0108	77	0.0682	136	0.0012
27	-0.0628	78	0.0082	137	0.0052
28	-0.1958	79	-0.0598	138	0.0852
29	-0.1978	80	-0.1498	139	0.0872
30	0.1712	81	-0.3278	140	0.0892
32	0.1272	82	-0.3168	141	0.1032
33	0.1092	83	0.1482	142	0.1032
34	0.0942	84	0.0702	143	0.1042
35	0.0802	85	-0.0038	145	-0.0028
36	0.0652	86	-0.0638	147	0.1082
37	0.0452	87	-0.1448	151	0.0102
38	0.0192	88	-0.2638	152	-0.1378
39	-0.0148	89	-0.2888	153	-0.1928
40	-0.0708	90	0.0532	154	-0.2428
41	-0.2018	91	-0.0618	155	0.1712
42	-0.2088	92	-0.1138	156	0.1132
43	0.2322	93	-0.1638	157	-0.0518
44	0.1792	94	-0.2428	158	0.4182
45	0.1512	95	-0.2368	159	0.2592
46	0.1342	96	-0.4648	160	0.2122
47	0.1062	97	-0.4338	161	0.0782
48	0.0772	98	-0.0808	162	0.3272
49	0.0482	99	-0.1738	163	0.2792
50	0.0082	100	-0.2928	164	0.0862
51	-0.0378	101	-0.2078	165	0.0002

ORF	CP	ORF	CP	ORF	CP
166	0.2682	217	-0.1578	268	-0.0858
167	0.2472	218	-0.0428	269	0.1852
168	0.1982	219	-0.0168	270	0.2822
169	0.0412	220	-0.0568	271	-0.1898
170	0.3072	221	-0.4468	272	-0.1878
171	0.1312	222	-0.4218	273	0.1892
172	-0.0908	223	0.0282	274	0.2362
173	0.0872	224	0.0282	275	0.3282
174	-0.0208	225	0.2642	276	0.2782
175	-0.1888	226	0.0712	277	0.1402
176	-0.2578	227	-0.6668	278	-0.5248
177	-0.2038	228	-0.6598	279	-0.4998
178	-0.3338	229	-0.6288	280	-0.3608
179	-0.2168	230	-0.4528	281	-0.1058
180	-0.2158	231	-0.1488	282	0.0172
181	0.2972	232	-0.0498	283	0.0282
182	0.4272	233	-0.0198	284	0.0402
183	0.3882	234	-0.0348	285	-0.0168
184	0.5482	235	-0.2068	286	-0.1968
185	0.6412	236	-0.1848	287	-0.2388
186	0.7702	237	-0.0088	288	0.1472
187	0.9062	238	0.0402	289	0.1932
188	1.0092	239	0.3122	290	0.1952
189	1.0632	240	0.1862	291	-0.5148
190	-0.1948	241	-0.6778	292	-0.1188
191	-0.1918	242	-0.6518	325	0.0092
192	-0.2038	244	-0.3518	326	0.0072
193	-0.1968	245	-0.0928	327	0.0092
194	-0.1878	246	-0.0318	328	0.0112
195	-0.1858	247	-0.0038	329	0.0072
196	-0.2048	248	0.0002	330	0.0082
197	-0.1888	249	0.0032	331	0.0072
198	-0.1898	250	0.0112	332	0.0092
199	-0.1908	251	-0.1758	333	0.0102
200	-0.1918	252	-0.0348	334	0.0082
201	-0.1808	253	0.2532	335	0.0072
202	-0.1858	254	0.0902	336	0.0082
203	-0.1858	255	-0.5548	337	0.0092
204	-0.1838	256	-0.5138	338	0.0082
205	0.1852	257	-0.4178	339	0.0092
206	0.2072	258	-0.2058	340	0.0102
207	0.2112	259	-0.0498	341	0.0072
208	0.2192	260	-0.0088	350	-0.0218
210	0.4362	261	0.0092	351	0.0112
211	0.3102	262	0.0012	352	0.0122
212	0.1212	263	-0.1328	353	0.0122
213	-0.7408	264	-0.0428	354	0.0132
214	-0.7008	265	0.1722	355	0.0122
215	-0.6708	266	0.2222		
216	-0.5008	267	-0.1468		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 433
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
- RUN NUMBER = 11.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
- MACH NUMBER = 0.801
TUNNEL DYNAMIC PRESSURE(PSF) = 604.
TUNNEL STAGNATION PRESSURE(PSF) = 2053.
TUNNEL STATIC PRESSURE(PSF) = 1346.
REYNOLDS NUMBER PER FOOT = 3.9990E 06
- MODEL ANGLE OF ATTACK(DEG) = -1.91
FIN ANGLE(DEG) = -0.17
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.4435
247	0.4415
347	0.4425
447	0.4425
547	0.4555
647	0.4545
747	0.4555

ORF	CP	ORF	CP	ORF	CP
1	0.0115	52	-0.1445	102	-0.1735
2	-0.2775	53	-0.3765	103	-0.4805
3	-0.2425	54	-0.2655	104	-0.4745
4	-0.1215	55	0.1515	105	-0.3025
5	-0.0565	56	0.1125	110	-0.0825
6	-0.0235	57	0.0905	111	-0.0895
7	-0.0065	58	0.0545	112	-0.0625
8	-0.0055	59	0.0225	113	-0.0915
9	-0.0065	60	-0.0085	114	-0.1075
10	-0.0135	61	-0.0505	115	-0.0285
11	-0.0245	62	-0.1055	116	0.0185
12	-0.0415	63	-0.1965	117	0.0375
13	-0.0725	64	-0.4655	118	0.0395
14	-0.1935	65	-0.3995	119	-0.0045
15	-0.1785	66	0.1425	120	0.0265
16	-0.0445	67	0.0835	121	0.0035
17	-0.0495	68	0.0495	122	0.0065
18	-0.0265	69	0.0115	123	-0.1035
19	-0.0005	70	-0.0245	124	-0.0315
20	0.0045	71	-0.0725	125	-0.0185
21	0.0065	72	-0.1425	126	0.0025
22	0.0065	73	-0.2755	127	-0.0085
23	-0.0035	74	-0.3795	128	-0.1205
24	-0.0075	75	0.1175	129	-0.0445
25	-0.0245	76	0.0645	135	0.0215
26	-0.0505	77	0.0135	136	0.0145
27	-0.0905	78	-0.0435	137	0.0165
28	-0.2145	79	-0.1025	138	0.1065
29	-0.1995	80	-0.1835	139	0.1035
30	0.0565	81	-0.3595	140	0.1035
32	0.0465	82	-0.3305	141	0.1145
33	0.0415	83	0.0725	142	0.1145
34	0.0255	84	0.0095	143	0.1145
35	0.0205	85	-0.0495	145	0.0195
36	0.0155	86	-0.1055	147	0.1145
37	-0.0025	87	-0.1715	151	-0.0175
38	-0.0245	88	-0.2935	152	-0.1545
39	-0.0555	89	-0.3025	153	-0.2145
40	-0.1035	90	-0.0155	154	-0.2445
41	-0.2205	91	-0.0925	155	0.1715
42	-0.2055	92	-0.1375	156	0.1055
43	0.1305	93	-0.1805	157	-0.0575
44	0.0945	94	-0.2495	158	0.4115
45	0.0765	95	-0.2405	159	0.2575
46	0.0635	96	-0.4145	160	0.2015
47	0.0415	97	-0.4275	161	0.0705
48	0.0225	98	-0.0605	162	0.3255
49	-0.0005	99	-0.1105	163	0.2775
50	-0.0285	100	-0.3215	164	0.1035
51	-0.0725	101	-0.1975	165	0.0035

ORF	CP	ORF	CP	ORF	CP
166	0.3215	217	-0.1035	268	-0.0925
167	0.2795	218	-0.0495	269	0.1785
168	0.2185	219	-0.0345	270	0.2685
169	0.0525	220	-0.0785	271	-0.1715
170	0.2935	221	-0.4625	272	-0.1935
171	0.1905	222	-0.3995	273	0.1595
172	-0.0625	223	-0.0035	274	0.2045
173	0.0745	224	0.0065	275	0.3385
174	-0.0215	225	0.2365	276	0.2755
175	-0.1805	226	0.0605	277	0.1015
176	-0.2505	227	-0.6535	278	-0.6325
177	-0.2185	228	-0.6305	279	-0.6135
178	-0.3825	229	-0.5755	280	-0.5365
179	-0.2915	230	-0.3655	281	-0.3005
180	-0.2085	231	-0.1285	282	-0.0435
181	0.3025	232	-0.0585	283	-0.0095
182	0.4325	233	-0.0385	284	0.0055
183	0.4045	234	-0.0575	285	-0.0385
184	0.5715	235	-0.2155	286	-0.1825
185	0.6365	236	-0.1735	287	-0.2365
186	0.7455	237	-0.0065	288	0.1085
187	0.8465	238	0.0395	289	0.2185
188	0.9245	239	0.2565	290	0.1885
189	0.9465	240	0.1355	291	-0.4695
190	-0.1845	241	-0.6385	292	-0.0695
191	-0.1725	242	-0.6055	325	0.0155
192	-0.1935	244	-0.2935	326	0.0175
193	-0.1935	245	-0.0995	327	0.0175
194	-0.1775	246	-0.0475	328	0.0195
195	-0.1775	247	-0.0285	329	0.0195
196	-0.1985	248	-0.0195	330	0.0175
197	-0.1845	249	-0.0205	331	0.0185
198	-0.1835	250	0.0325	332	0.0175
199	-0.1855	251	-0.1615	333	0.0205
200	-0.1855	252	-0.0395	334	0.0195
201	-0.1715	253	0.2105	335	0.0175
202	-0.1825	254	0.0525	336	0.0155
203	-0.1805	255	-0.5665	337	0.0155
204	-0.1735	256	-0.5495	338	0.0165
205	0.2055	257	-0.5075	339	0.0185
206	0.2385	258	-0.3285	340	0.0205
207	0.2375	259	-0.0835	341	0.0195
208	0.2355	260	-0.0375	350	-0.0075
210	0.3615	261	-0.0165	351	0.0335
211	0.2875	262	-0.0125	352	0.0315
212	0.1025	263	-0.1415	353	0.0305
213	-0.7825	264	-0.0475	354	0.0315
214	-0.7035	265	0.1745	355	0.0305
215	-0.6355	266	0.2185		
216	-0.3555	267	-0.1465		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 434
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 11.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.798
TUNNEL DYNAMIC PRESSURE(PSF) = 602.
TUNNEL STAGNATION PRESSURE(PSF) = 2053.
TUNNEL STATIC PRESSURE(PSF) = 1349.
REYNOLDS NUMBER PER FOOT = 3.9950E 06
MODEL ANGLE OF ATTACK(DEG) = 0.12
FIN ANGLE(DEG) = -0.14
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.4391
247	0.4371
347	0.4381
447	0.4391
547	0.4401
647	0.4391
747	0.4401

ORF	CP	ORF	CP	ORF	CP
1	-0.0229	52	-0.1859	102	-0.1699
2	-0.3539	53	-0.3899	103	-0.4909
3	-0.3489	54	-0.2819	104	-0.4759
4	-0.2139	55	0.0541	105	-0.2949
5	-0.1299	56	0.0261	110	-0.0999
6	-0.0799	57	0.0051	111	-0.1139
7	-0.0639	58	-0.0149	112	-0.0769
8	-0.0539	59	-0.0459	113	-0.1139
9	-0.0569	60	-0.0659	114	-0.1209
10	-0.0579	61	-0.1029	115	-0.0679
11	-0.0629	62	-0.1549	116	0.0021
12	-0.0779	63	-0.2379	117	0.0131
13	-0.1029	64	-0.4859	118	0.0161
14	-0.2119	65	-0.4199	119	-0.0279
15	-0.1969	66	0.0381	120	0.0161
16	-0.1349	67	0.0111	121	-0.0029
17	-0.1389	68	-0.0159	122	-0.0019
18	-0.1009	69	-0.0479	123	-0.1099
19	-0.0679	70	-0.0869	124	-0.0359
20	-0.0519	71	-0.1289	125	-0.0219
21	-0.0469	72	-0.1909	126	-0.0029
22	-0.0409	73	-0.3229	127	-0.0159
23	-0.0469	74	-0.3939	128	-0.1179
24	-0.0549	75	0.0221	129	-0.0499
25	-0.0639	76	-0.0159	135	0.0151
26	-0.0869	77	-0.0579	136	0.0071
27	-0.1269	78	-0.0989	137	0.0111
28	-0.2399	79	-0.1519	138	0.0891
29	-0.2149	80	-0.2239	139	0.0911
30	-0.0289	81	-0.4039	140	0.0941
32	-0.0309	82	-0.3339	141	0.1011
33	-0.0219	83	0.0031	142	0.1031
34	-0.0309	84	-0.0549	143	0.1011
35	-0.0309	85	-0.1049	145	0.0091
36	-0.0369	86	-0.1539	147	0.0981
37	-0.0489	87	-0.2099	151	0.0021
38	-0.0629	88	-0.3269	152	-0.1749
39	-0.0919	89	-0.3109	153	-0.1959
40	-0.1409	90	-0.0749	154	-0.2569
41	-0.2519	91	-0.1179	155	0.1091
42	-0.2219	92	-0.1539	156	0.1161
43	0.0331	93	-0.2009	157	-0.0629
44	0.0151	94	-0.2759	158	0.3641
45	0.0021	95	-0.2569	159	0.2781
46	-0.0089	96	-0.3319	160	0.2021
47	-0.0199	97	-0.4349	161	0.0641
48	-0.0359	98	-0.0199	162	0.3261
49	-0.0529	99	-0.0729	163	0.2931
50	-0.0799	100	-0.3179	164	0.0931
51	-0.1249	101	-0.1959	165	0.0061

ORF	CP	ORF	CP	ORF	CP
166	0.3891	217	-0.0999	268	-0.1209
167	0.3021	218	-0.0829	269	0.1481
168	0.2321	219	-0.0729	270	0.2181
169	0.0741	220	-0.1119	271	-0.1769
170	0.2861	221	-0.4929	272	-0.2129
171	0.1781	222	-0.3749	273	0.1061
172	-0.0729	223	-0.0749	274	0.1641
173	0.0241	224	-0.0359	275	0.2941
174	-0.0569	225	0.1891	276	0.2641
175	-0.2309	226	0.0181	277	0.0711
176	-0.2489	227	-0.6509	278	-0.7589
177	-0.2049	228	-0.6119	279	-0.7249
178	-0.3799	229	-0.5369	280	-0.6469
179	-0.3339	230	-0.3169	281	-0.4029
180	-0.2129	231	-0.1339	282	-0.1419
181	0.2921	232	-0.0829	283	-0.0779
182	0.4291	233	-0.0769	284	-0.0459
183	0.4241	234	-0.0939	285	-0.0819
184	0.6081	235	-0.2389	286	-0.1869
185	0.6391	236	-0.1899	287	-0.2499
186	0.7141	237	-0.0349	288	0.0581
187	0.7861	238	0.0151	289	0.1921
188	0.8311	239	0.1751	290	0.1781
189	0.8791	240	0.0651	291	-0.5269
190	-0.1859	241	-0.6339	292	-0.0559
191	-0.1769	242	-0.5909	325	0.0151
192	-0.1939	244	-0.2789	326	0.0131
193	-0.2009	245	-0.1259	327	0.0161
194	-0.1859	246	-0.0929	328	0.0141
195	-0.1879	247	-0.0739	329	0.0161
196	-0.2119	248	-0.0589	330	0.0151
197	-0.1899	249	-0.0599	331	0.0141
198	-0.1879	250	0.0161	332	0.0171
199	-0.1889	251	-0.1789	333	0.0151
200	-0.1879	252	-0.0539	334	0.0151
201	-0.1819	253	0.2011	335	0.0151
202	-0.1819	254	0.0341	336	0.0161
203	-0.1769	255	-0.6719	337	0.0141
204	-0.1759	256	-0.6579	338	0.0141
205	0.1821	257	-0.6209	339	0.0181
206	0.2131	258	-0.4349	340	0.0151
207	0.2091	259	-0.1559	341	0.0171
208	0.2051	260	-0.0749	350	-0.0269
210	0.2571	261	-0.0589	351	0.0191
211	0.2271	262	-0.0499	352	0.0121
212	0.0541	263	-0.1699	353	0.0151
213	-0.7579	264	-0.0749	354	0.0161
214	-0.5949	265	0.1571	355	0.0141
215	-0.5039	266	0.1921		
216	-0.2439	267	-0.1709		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 435
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 11.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.796
TUNNEL DYNAMIC PRESSURE(PSF) = 600.
TUNNEL STAGNATION PRESSURE(PSF) = 2053.
TUNNEL STATIC PRESSURE(PSF) = 1351.
REYNOLDS NUMBER PER FOOT = 3.9900E 06
MODEL ANGLE OF ATTACK(DEG) = 2.05
FIN ANGLE(DEG) = -0.18
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.4363
247	0.4353
347	0.4353
447	0.4363
547	0.4283
647	0.4273
747	0.4273

ORF	CP	ORF	CP	ORF	CP
1	-0.0637	52	-0.2157	102	-0.1857
2	-0.3737	53	-0.3787	103	-0.5047
3	-0.3477	54	-0.2937	104	-0.4967
4	-0.2317	55	-0.0697	105	-0.3217
5	-0.1617	56	-0.0717	110	-0.1097
6	-0.1227	57	-0.0747	111	-0.1257
7	-0.1107	58	-0.0937	112	-0.0877
8	-0.1037	59	-0.1057	113	-0.1287
9	-0.1017	60	-0.1237	114	-0.1327
10	-0.1027	61	-0.1497	115	-0.0777
11	-0.1027	62	-0.1927	116	0.0013
12	-0.1117	63	-0.2797	117	0.0183
13	-0.1367	64	-0.4887	118	0.0183
14	-0.2367	65	-0.4337	119	-0.0207
15	-0.2187	66	-0.0837	120	0.0123
16	-0.1737	67	-0.0797	121	-0.0127
17	-0.1727	68	-0.0947	122	-0.0147
18	-0.1457	69	-0.1097	123	-0.1197
19	-0.1237	70	-0.1417	124	-0.0447
20	-0.1107	71	-0.1727	125	-0.0327
21	-0.0997	72	-0.2357	126	-0.0167
22	-0.0927	73	-0.3517	127	-0.0247
23	-0.0957	74	-0.3977	128	-0.1207
24	-0.0987	75	-0.0907	129	-0.0617
25	-0.1117	76	-0.0997	135	-0.0007
26	-0.1297	77	-0.1317	136	-0.0027
27	-0.1617	78	-0.1567	137	0.0013
28	-0.2477	79	-0.1897	138	0.0813
29	-0.2247	80	-0.2547	139	0.0813
30	-0.1187	81	-0.4237	140	0.0793
32	-0.0977	82	-0.3637	141	0.0893
33	-0.0947	83	-0.0907	142	0.0873
34	-0.0927	84	-0.1357	143	0.0873
35	-0.0897	85	-0.1547	145	-0.0067
36	-0.0907	86	-0.1867	147	0.0873
37	-0.0997	87	-0.2377	151	0.0033
38	-0.1137	88	-0.3497	152	-0.1707
39	-0.1367	89	-0.3377	153	-0.1827
40	-0.1737	90	-0.1397	154	-0.2337
41	-0.2587	91	-0.1507	155	0.0863
42	-0.2267	92	-0.1807	156	0.0923
43	-0.0787	93	-0.2217	157	-0.0687
44	-0.0757	94	-0.2987	158	0.2753
45	-0.0787	95	-0.2717	159	0.2023
46	-0.0807	96	-0.2387	160	0.1403
47	-0.0877	97	-0.3847	161	0.0083
48	-0.0937	98	0.0003	162	0.2533
49	-0.1117	99	-0.0487	163	0.2083
50	-0.1327	100	-0.3447	164	0.0783
51	-0.1657	101	-0.2147	165	-0.0347

ORF	CP	ORF	CP	ORF	CP
166	0.3593	217	-0.1247	268	-0.1377
167	0.2093	218	-0.1057	269	0.1013
168	0.1593	219	-0.1057	270	0.1613
169	0.0233	220	-0.1507	271	-0.2097
170	0.2913	221	-0.4867	272	-0.2197
171	0.0993	222	-0.3537	273	0.1023
172	-0.0977	223	-0.0887	274	0.1523
173	-0.0007	224	-0.0707	275	0.2303
174	-0.0697	225	0.1463	276	0.2013
175	-0.2147	226	-0.0157	277	0.0123
176	-0.2287	227	-0.6497	278	-0.7537
177	-0.1917	228	-0.5997	279	-0.7377
178	-0.3347	229	-0.5247	280	-0.6287
179	-0.2847	230	-0.3067	281	-0.3967
180	-0.2067	231	-0.1517	282	-0.1707
181	0.2213	232	-0.1167	283	-0.1327
182	0.3493	233	-0.1117	284	-0.1057
183	0.3633	234	-0.1257	285	-0.1277
184	0.4863	235	-0.2487	286	-0.2087
185	0.5103	236	-0.1967	287	-0.2637
186	0.5193	237	-0.0597	288	0.0703
187	0.5623	238	-0.0167	289	0.1583
188	0.6013	239	0.1413	290	0.1443
189	0.6293	240	0.0333	291	-0.6057
190	-0.1787	241	-0.6797	292	-0.0387
191	-0.1887	242	-0.6287	325	0.0253
192	-0.1967	244	-0.3057	326	0.0273
193	-0.1927	245	-0.1727	327	0.0283
194	-0.1837	246	-0.1327	328	0.0263
195	-0.1807	247	-0.1117	329	0.0303
196	-0.2117	248	-0.0957	330	0.0253
197	-0.1877	249	-0.0777	331	0.0263
198	-0.1847	250	0.0193	332	0.0293
199	-0.1947	251	-0.1897	333	0.0273
200	-0.1907	252	-0.0717	334	0.0313
201	-0.1757	253	0.1763	335	0.0263
202	-0.1777	254	0.0113	336	0.0253
203	-0.1827	255	-0.7317	337	0.0273
204	-0.1777	256	-0.6877	338	0.0263
205	0.1543	257	-0.6347	339	0.0283
206	0.1773	258	-0.4467	340	0.0253
207	0.1743	259	-0.1827	341	0.0313
208	0.1683	260	-0.1237	350	-0.0237
210	0.1783	261	-0.1007	351	0.0193
211	0.1723	262	-0.0857	352	0.0183
212	0.0173	263	-0.1947	353	0.0163
213	-0.7217	264	-0.0887	354	0.0203
214	-0.5717	265	0.1173	355	0.0143
215	-0.4257	266	0.1503		
216	-0.2427	267	-0.1997		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 436
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 11.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.797
TUNNEL DYNAMIC PRESSURE(PSF) = 600.
TUNNEL STAGNATION PRESSURE(PSF) = 2053.
TUNNEL STATIC PRESSURE(PSF) = 1351.
REYNOLDS NUMBER PER FOOT = 3.9900E 06
MODEL ANGLE OF ATTACK(DEG) = 4.00
FIN ANGLE(DEG) = -0.20
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.4343
247	0.4333
347	0.4333
447	0.4353
547	0.4343
647	0.4343
747	0.4333

ORF	CP	ORF	CP	ORF	CP
1	-0.1227	52	-0.2387	102	-0.2077
2	-0.3667	53	-0.3607	103	-0.5097
3	-0.3237	54	-0.2937	104	-0.5057
4	-0.2427	55	-0.3827	105	-0.3417
5	-0.1907	56	-0.1897	110	-0.1007
6	-0.1727	57	-0.1407	111	-0.1287
7	-0.1567	58	-0.1497	112	-0.0857
8	-0.1467	59	-0.1637	113	-0.1337
9	-0.1427	60	-0.1657	114	-0.1317
10	-0.1437	61	-0.1907	115	-0.0747
11	-0.1457	62	-0.2237	116	0.0133
12	-0.1477	63	-0.2927	117	0.0253
13	-0.1667	64	-0.4747	118	0.0313
14	-0.2497	65	-0.4357	119	-0.0197
15	-0.2267	66	-0.4447	120	0.0173
16	-0.2247	67	-0.2217	121	-0.0157
17	-0.2157	68	-0.1577	122	-0.0147
18	-0.1987	69	-0.1657	123	-0.1197
19	-0.1757	70	-0.1797	124	-0.0507
20	-0.1607	71	-0.2107	125	-0.0347
21	-0.1567	72	-0.2557	126	-0.0157
22	-0.1507	73	-0.3617	127	-0.0247
23	-0.1437	74	-0.4077	128	-0.1087
24	-0.1477	75	-0.4877	129	-0.0537
25	-0.1567	76	-0.2717	135	0.0043
26	-0.1717	77	-0.1977	136	-0.0057
27	-0.1907	78	-0.1967	137	0.0033
28	-0.2557	79	-0.2237	138	0.0833
29	-0.2387	80	-0.2757	139	0.0813
30	-0.2017	81	-0.4157	140	0.0783
32	-0.1597	82	-0.3637	141	0.0973
33	-0.1497	83	-0.4267	142	0.0973
34	-0.1527	84	-0.3207	143	0.0943
35	-0.1497	85	-0.2057	145	-0.0017
36	-0.1507	86	-0.1997	147	0.0943
37	-0.1517	87	-0.2437	151	-0.0237
38	-0.1647	88	-0.3517	152	-0.1687
39	-0.1747	89	-0.3397	153	-0.1807
40	-0.2057	90	-0.4757	154	-0.2177
41	-0.2667	91	-0.3037	155	0.0263
42	-0.2407	92	-0.2057	156	0.0473
43	-0.2887	93	-0.2267	157	-0.0877
44	-0.1657	94	-0.2917	158	0.1783
45	-0.1417	95	-0.2717	159	0.1173
46	-0.1387	96	-0.1667	160	0.0553
47	-0.1407	97	-0.3697	161	-0.0497
48	-0.1497	98	0.0313	162	0.1783
49	-0.1617	99	-0.0237	163	0.1263
50	-0.1707	100	-0.3237	164	0.0843
51	-0.1967	101	-0.2427	165	-0.0697

ORF	CP	ORF	CP	ORF	CP
166	0.2763	217	-0.1377	268	-0.1457
167	0.1603	218	-0.1247	269	0.0663
168	0.1183	219	-0.1237	270	0.1093
169	0.0043	220	-0.1617	271	-0.2247
170	0.2383	221	-0.4537	272	-0.2027
171	0.0703	222	-0.3337	273	0.0833
172	-0.0977	223	-0.0827	274	0.1103
173	-0.0157	224	-0.0597	275	0.1793
174	-0.0847	225	0.1313	276	0.1223
175	-0.2017	226	-0.0297	277	-0.0407
176	-0.2187	227	-0.6577	278	-0.7137
177	-0.1967	228	-0.6057	279	-0.6947
178	-0.3117	229	-0.5207	280	-0.6047
179	-0.2437	230	-0.3187	281	-0.3617
180	-0.2047	231	-0.1717	282	-0.1937
181	0.1523	232	-0.1377	283	-0.1677
182	0.2683	233	-0.1267	284	-0.1377
183	0.2473	234	-0.1387	285	-0.1547
184	0.3593	235	-0.2567	286	-0.2297
185	0.3843	236	-0.1957	287	-0.2537
186	0.4093	237	-0.0567	288	0.0703
187	0.4603	238	-0.0187	289	0.1193
188	0.5423	239	0.1223	290	0.1053
189	0.6173	240	0.0193	291	-0.6417
190	-0.1837	241	-0.6917	292	-0.0007
191	-0.1827	242	-0.6487	325	0.0243
192	-0.1847	244	-0.3277	326	0.0203
193	-0.1987	245	-0.1917	327	0.0203
194	-0.1847	246	-0.1557	328	0.0213
195	-0.1907	247	-0.1347	329	0.0213
196	-0.1997	248	-0.1167	330	0.0213
197	-0.1847	249	-0.0917	331	0.0203
198	-0.1897	250	0.0243	332	0.0213
199	-0.1817	251	-0.1747	333	0.0213
200	-0.1907	252	-0.0917	334	0.0213
201	-0.1747	253	0.1323	335	0.0203
202	-0.1817	254	-0.0257	336	0.0233
203	-0.1837	255	-0.7297	337	0.0243
204	-0.1857	256	-0.6947	338	0.0213
205	0.1323	257	-0.6167	339	0.0213
206	0.1583	258	-0.4087	340	0.0213
207	0.1493	259	-0.2067	341	0.0213
208	0.1433	260	-0.1537	350	-0.0197
210	0.1243	261	-0.1357	351	0.0263
211	0.1423	262	-0.1187	352	0.0243
212	-0.0037	263	-0.2087	353	0.0233
213	-0.6877	264	-0.1007	354	0.0273
214	-0.5047	265	0.0783	355	0.0263
215	-0.3887	266	0.1043		
216	-0.2197	267	-0.2197		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 437
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 11.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.800
TUNNEL DYNAMIC PRESSURE(PSF) = 603.
TUNNEL STAGNATION PRESSURE(PSF) = 2053.
TUNNEL STATIC PRESSURE(PSF) = 1346.
REYNOLDS NUMBER PER FOOT = 3.9950E 06
MODEL ANGLE OF ATTACK(DEG) = 5.99
FIN ANGLE(DEG) = -0.19
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.4408
247	0.4398
347	0.4408
447	0.4408
547	0.4408
647	0.4398
747	0.4398

ORF	CP	ORF	CP	ORF	CP
1	-0.2082	52	-0.2602	102	-0.2262
2	-0.4022	53	-0.3602	103	-0.5382
3	-0.3422	54	-0.3032	104	-0.5282
4	-0.2712	55	-0.6292	105	-0.3492
5	-0.2292	56	-0.4982	110	-0.0982
6	-0.2112	57	-0.3002	111	-0.1272
7	-0.1932	58	-0.2332	112	-0.0842
8	-0.1842	59	-0.1972	113	-0.1382
9	-0.1822	60	-0.2052	114	-0.1412
10	-0.1832	61	-0.2192	115	-0.0802
11	-0.1772	62	-0.2472	116	0.0298
12	-0.1792	63	-0.3112	117	0.0428
13	-0.2002	64	-0.4812	118	0.0458
14	-0.2692	65	-0.4582	119	-0.0292
15	-0.2572	66	-0.6312	120	0.0168
16	-0.3102	67	-0.5822	121	-0.0282
17	-0.2712	68	-0.4252	122	-0.0292
18	-0.2442	69	-0.2902	123	-0.0972
19	-0.2332	70	-0.2312	124	-0.0622
20	-0.2162	71	-0.2342	125	-0.0422
21	-0.2062	72	-0.2752	126	-0.0282
22	-0.1982	73	-0.3692	127	-0.0332
23	-0.1922	74	-0.4102	128	-0.1002
24	-0.1902	75	-0.6192	129	-0.0472
25	-0.1942	76	-0.6172	135	-0.0082
26	-0.2032	77	-0.5172	136	-0.0132
27	-0.2282	78	-0.3722	137	-0.0092
28	-0.2752	79	-0.2852	138	0.0778
29	-0.2642	80	-0.2882	139	0.0798
30	-0.4012	81	-0.3822	140	0.0798
32	-0.2112	82	-0.3622	141	0.0948
33	-0.2022	83	-0.5312	142	0.0958
34	-0.1992	84	-0.6062	143	0.0918
35	-0.1972	85	-0.5202	145	-0.0172
36	-0.1982	86	-0.3942	147	0.0968
37	-0.2012	87	-0.3152	151	-0.0542
38	-0.2042	88	-0.3332	152	-0.1772
39	-0.2182	89	-0.3202	153	-0.1892
40	-0.2312	90	-0.5672	154	-0.2122
41	-0.2792	91	-0.5362	155	0.0488
42	-0.2582	92	-0.4852	156	-0.0082
43	-0.5882	93	-0.4072	157	-0.1222
44	-0.3742	94	-0.3432	158	0.1028
45	-0.2172	95	-0.2792	159	0.0488
46	-0.1852	96	-0.1332	160	0.0118
47	-0.1812	97	-0.4042	161	-0.0802
48	-0.1892	98	0.0668	162	0.1518
49	-0.1912	99	0.0148	163	0.0948
50	-0.1992	100	-0.3542	164	0.0838
51	-0.2242	101	-0.2612	165	-0.0862

ORF	CP	ORF	CP	ORF	CP
166	0.2768	217	-0.1672	268	-0.1612
167	0.1708	218	-0.1532	269	0.0288
168	0.1378	219	-0.1542	270	0.0558
169	0.0258	220	-0.1862	271	-0.2412
170	0.2038	221	-0.4522	272	-0.2232
171	0.0828	222	-0.3442	273	0.0408
172	-0.0912	223	-0.1112	274	0.0658
173	-0.0102	224	-0.0882	275	0.1258
174	-0.0792	225	0.0928	276	0.0458
175	-0.1892	226	-0.0482	277	-0.1042
176	-0.2232	227	-0.6882	278	-0.6782
177	-0.2272	228	-0.6312	279	-0.6472
178	-0.2912	229	-0.5512	280	-0.5442
179	-0.1822	230	-0.3422	281	-0.3662
180	-0.2082	231	-0.1982	282	-0.2402
181	0.0708	232	-0.1672	283	-0.2042
182	0.1738	233	-0.1552	284	-0.1792
183	0.2298	234	-0.1562	285	-0.1862
184	0.3338	235	-0.2642	286	-0.2492
185	0.3828	236	-0.2012	287	-0.2552
186	0.4488	237	-0.0612	288	0.0408
187	0.5668	238	-0.0282	289	0.0978
188	0.7228	239	0.0888	290	0.0468
189	0.7998	240	-0.0202	291	-0.6292
190	-0.1872	241	-0.7162	292	0.0488
191	-0.1822	242	-0.6732	325	0.0278
192	-0.1872	244	-0.3642	326	0.0268
193	-0.1902	245	-0.2142	327	0.0268
194	-0.1852	246	-0.1862	328	0.0238
195	-0.1972	247	-0.1672	329	0.0248
196	-0.2002	248	-0.1392	330	0.0268
197	-0.1842	249	-0.1192	331	0.0258
198	-0.1912	250	0.0268	332	0.0258
199	-0.1882	251	-0.1772	333	0.0228
200	-0.1942	252	-0.1242	334	0.0248
201	-0.1902	253	0.0688	335	0.0268
202	-0.1792	254	-0.0792	336	0.0228
203	-0.1932	255	-0.7462	337	0.0278
204	-0.1852	256	-0.6622	338	0.0258
205	0.1068	257	-0.5822	339	0.0268
206	0.1358	258	-0.3922	340	0.0238
207	0.1138	259	-0.2382	341	0.0258
208	0.1128	260	-0.2052	350	-0.0252
210	0.0908	261	-0.1802	351	0.0258
211	0.1008	262	-0.1632	352	0.0288
212	-0.0342	263	-0.2382	353	0.0288
213	-0.6292	264	-0.1322	354	0.0278
214	-0.4712	265	0.0268	355	0.0258
215	-0.3752	266	0.0458		
216	-0.2362	267	-0.2392		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 438
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 11.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.799
TUNNEL DYNAMIC PRESSURE(PSF) = 603.
TUNNEL STAGNATION PRESSURE(PSF) = 2053.
TUNNEL STATIC PRESSURE(PSF) = 1347.
REYNOLDS NUMBER PER FOOT = 3.9940E 06
MODEL ANGLE OF ATTACK(DEG) = 7.95
FIN ANGLE(DEG) = -0.17
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.4412
247	0.4402
347	0.4412
447	0.4422
547	0.4492
647	0.4482
747	0.4492

ORF	CP	ORF	CP	ORF	CP
1	-0.3188	52	-0.2818	102	-0.2518
2	-0.4738	53	-0.3858	103	-0.5698
3	-0.3828	54	-0.3338	104	-0.5678
4	-0.3008	55	-0.7478	105	-0.3848
5	-0.2518	56	-0.7308	110	-0.0798
6	-0.2358	57	-0.5598	111	-0.1158
7	-0.2248	58	-0.3468	112	-0.0638
8	-0.2148	59	-0.2508	113	-0.1318
9	-0.2128	60	-0.2168	114	-0.1528
10	-0.2078	61	-0.2228	115	-0.0668
11	-0.2108	62	-0.2488	116	0.0542
12	-0.2118	63	-0.3148	117	0.0592
13	-0.2258	64	-0.4968	118	0.0602
14	-0.2948	65	-0.4708	119	-0.0268
15	-0.2838	66	-0.7188	120	0.0262
16	-0.4338	67	-0.7398	121	-0.0248
17	-0.3478	68	-0.6928	122	-0.0278
18	-0.3048	69	-0.5778	123	-0.0928
19	-0.2788	70	-0.4028	124	-0.0658
20	-0.2558	71	-0.3188	125	-0.0468
21	-0.2398	72	-0.2958	126	-0.0428
22	-0.2218	73	-0.3638	127	-0.0428
23	-0.2218	74	-0.4188	128	-0.0958
24	-0.2178	75	-0.6948	129	-0.0428
25	-0.2148	76	-0.7098	135	-0.0008
26	-0.2278	77	-0.7238	136	-0.0148
27	-0.2448	78	-0.6528	137	0.0022
28	-0.2998	79	-0.5448	138	0.0792
29	-0.2838	80	-0.4318	139	0.0822
30	-0.5438	81	-0.4088	140	0.0852
32	-0.2718	82	-0.3708	141	0.1082
33	-0.2418	83	-0.5998	142	0.0992
34	-0.2408	84	-0.6758	143	0.1052
35	-0.2268	85	-0.6708	145	-0.0148
36	-0.2278	86	-0.6318	147	0.1022
37	-0.2268	87	-0.5408	151	-0.0838
38	-0.2368	88	-0.4608	152	-0.1608
39	-0.2438	89	-0.3628	153	-0.1968
40	-0.2628	90	-0.6118	154	-0.2118
41	-0.3048	91	-0.5838	155	0.0372
42	-0.2868	92	-0.5658	156	-0.0698
43	-0.7588	93	-0.5448	157	-0.1428
44	-0.5598	94	-0.4878	158	0.1072
45	-0.3398	95	-0.3558	159	0.0292
46	-0.2418	96	-0.1478	160	-0.0158
47	-0.2048	97	-0.4968	161	-0.0918
48	-0.2118	98	0.0902	162	0.1962
49	-0.2218	99	0.0432	163	0.1132
50	-0.2318	100	-0.3478	164	0.0822
51	-0.2538	101	-0.2938	165	-0.0638

ORF	CP	ORF	CP	ORF	CP
166	0.3822	217	-0.1848	268	-0.1698
167	0.2452	218	-0.1788	269	-0.0008
168	0.2032	219	-0.1748	270	0.0352
169	0.0782	220	-0.1968	271	-0.2668
170	0.3242	221	-0.4498	272	-0.2338
171	0.1212	222	-0.3638	273	0.0252
172	-0.0698	223	-0.0818	274	0.0582
173	-0.0078	224	-0.0758	275	0.0872
174	-0.1238	225	0.0962	276	-0.0138
175	-0.2018	226	-0.0598	277	-0.1548
176	-0.2328	227	-0.7268	278	-0.7158
177	-0.2408	228	-0.6758	279	-0.6788
178	-0.2168	229	-0.6038	280	-0.5878
179	-0.1398	230	-0.4118	281	-0.3778
180	-0.2098	231	-0.2208	282	-0.2558
181	-0.0248	232	-0.1838	283	-0.2308
182	0.0872	233	-0.1728	284	-0.2038
183	0.2682	234	-0.1718	285	-0.2078
184	0.4152	235	-0.2838	286	-0.2678
185	0.4882	236	-0.2008	287	-0.2858
186	0.6132	237	-0.0588	288	0.0302
187	0.7282	238	-0.0128	289	0.1442
188	0.8632	239	0.0752	290	0.0082
189	0.9402	240	-0.0278	291	-0.6108
190	-0.1808	241	-0.7358	292	0.0982
191	-0.1968	242	-0.7048	325	0.0282
192	-0.1918	244	-0.4078	326	0.0282
193	-0.1988	245	-0.2468	327	0.0272
194	-0.2038	246	-0.2108	328	0.0282
195	-0.2108	247	-0.1998	329	0.0292
196	-0.2048	248	-0.1678	330	0.0272
197	-0.1888	249	-0.1358	331	0.0292
198	-0.1948	250	0.0352	332	0.0262
199	-0.1988	251	-0.1748	333	0.0272
200	-0.2098	252	-0.1258	334	0.0282
201	-0.1948	253	0.0132	335	0.0282
202	-0.1838	254	-0.1198	336	0.0292
203	-0.1918	255	-0.7518	337	0.0282
204	-0.2088	256	-0.6738	338	0.0292
205	0.0772	257	-0.5888	339	0.0282
206	0.1182	258	-0.3948	340	0.0282
207	0.0832	259	-0.2628	341	0.0282
208	0.0722	260	-0.2368	350	-0.0268
210	0.0702	261	-0.2108	351	0.0342
211	0.0882	262	-0.1888	352	0.0322
212	-0.0378	263	-0.2528	353	0.0362
213	-0.6888	264	-0.1478	354	0.0372
214	-0.4988	265	-0.0018	355	0.0362
215	-0.4078	266	0.0082		
216	-0.2468	267	-0.2638		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 439
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 11.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.802
TUNNEL DYNAMIC PRESSURE(PSF) = 605.
TUNNEL STAGNATION PRESSURE(PSF) = 2053.
TUNNEL STATIC PRESSURE(PSF) = 1344.
REYNOLDS NUMBER PER FOOT = 3.9980E 06
MODEL ANGLE OF ATTACK(DEG) = 11.95
FIN ANGLE(DEG) = -0.15
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.4455
247	0.4445
347	0.4455
447	0.4455
547	0.4515
647	0.4505
747	0.4515

ORF	CP	ORF	CP	ORF	CP
1	-0.3215	52	-0.3395	102	-0.2785
2	-0.5305	53	-0.3895	103	-0.5685
3	-0.4565	54	-0.3595	104	-0.5565
4	-0.3665	55	-0.9865	105	-0.4405
5	-0.3245	56	-0.9205	110	-0.0545
6	-0.2935	57	-0.5835	111	-0.0995
7	-0.2775	58	-0.3705	112	-0.0525
8	-0.2735	59	-0.3075	113	-0.1415
9	-0.2595	60	-0.2975	114	-0.1915
10	-0.2655	61	-0.3055	115	-0.0585
11	-0.2585	62	-0.3245	116	0.0935
12	-0.2595	63	-0.3795	117	0.0995
13	-0.2735	64	-0.4905	118	0.0885
14	-0.3435	65	-0.4825	119	-0.0275
15	-0.3255	66	-0.9405	120	0.0115
16	-0.4255	67	-1.0425	121	-0.0595
17	-0.3715	68	-0.9955	122	-0.0575
18	-0.3475	69	-0.7395	123	-0.0595
19	-0.3215	70	-0.4685	124	-0.0885
20	-0.3115	71	-0.3205	125	-0.0705
21	-0.2945	72	-0.3055	126	-0.0615
22	-0.2825	73	-0.3575	127	-0.0635
23	-0.2835	74	-0.4115	128	-0.1075
24	-0.2725	75	-0.8955	129	-0.0295
25	-0.2665	76	-0.9705	135	-0.0215
26	-0.2745	77	-1.0205	136	-0.0385
27	-0.2895	78	-1.0035	137	-0.0215
28	-0.3355	79	-0.7995	138	0.0645
29	-0.3135	80	-0.5955	139	0.0685
30	-0.4845	81	-0.4025	140	0.0765
32	-0.3255	82	-0.3445	141	0.1125
33	-0.3155	83	-0.7525	142	0.0965
34	-0.3015	84	-0.8925	143	0.1165
35	-0.2905	85	-0.9285	145	-0.0455
36	-0.2865	86	-0.9125	147	0.0875
37	-0.2875	87	-0.8475	151	-0.1285
38	-0.2845	88	-0.6875	152	-0.1755
39	-0.2985	89	-0.4865	153	-0.2135
40	-0.3075	90	-0.7345	154	-0.2105
41	-0.3425	91	-0.7005	155	-0.0285
42	-0.3115	92	-0.6835	156	-0.1155
43	-0.8195	93	-0.6785	157	-0.1645
44	-0.5315	94	-0.6395	158	0.0785
45	-0.3515	95	-0.4925	159	-0.0395
46	-0.3165	96	-0.2915	160	-0.0715
47	-0.3055	97	-0.4045	161	-0.1135
48	-0.3035	98	0.1105	162	0.1305
49	-0.3025	99	0.0885	163	0.0405
50	-0.3085	100	-0.3205	164	0.0685
51	-0.3145	101	-0.3245	165	-0.0995

ORF	CP	ORF	CP	ORF	CP
166	0.2395	217	-0.2465	268	-0.1855
167	0.0955	218	-0.2205	269	-0.0475
168	0.0765	219	-0.2085	270	0.0145
169	-0.0195	220	-0.2295	271	-0.2975
170	0.1165	221	-0.5045	272	-0.2275
171	-0.0085	222	-0.4685	273	0.0005
172	-0.1345	223	-0.1055	274	0.0375
173	-0.0535	224	-0.0745	275	0.0755
174	-0.1035	225	0.1045	276	-0.0405
175	-0.1805	226	-0.0715	277	-0.1885
176	-0.1965	227	-0.8875	278	-0.8245
177	-0.2755	228	-0.8305	279	-0.7665
178	-0.2875	229	-0.7635	280	-0.6885
179	-0.2005	230	-0.5315	281	-0.4695
180	-0.2175	231	-0.2855	282	-0.3155
181	-0.0635	232	-0.2325	283	-0.2885
182	0.0545	233	-0.2235	284	-0.2555
183	0.2395	234	-0.2115	285	-0.2555
184	0.4255	235	-0.3195	286	-0.3085
185	0.4795	236	-0.2245	287	-0.2705
186	0.4845	237	-0.0525	288	0.0075
187	0.4805	238	0.0005	289	0.1015
188	0.4955	239	0.0535	290	-0.0385
189	0.5135	240	-0.0615	291	-0.5385
190	-0.1745	241	-0.8125	292	0.1615
191	-0.2205	242	-0.7895	325	0.0255
192	-0.1995	244	-0.5545	326	0.0285
193	-0.2015	245	-0.3285	327	0.0265
194	-0.2165	246	-0.2675	328	0.0265
195	-0.2205	247	-0.2475	329	0.0255
196	-0.2135	248	-0.2185	330	0.0235
197	-0.1935	249	-0.1695	331	0.0295
198	-0.2065	250	0.0355	332	0.0275
199	-0.2095	251	-0.1835	333	0.0275
200	-0.2265	252	-0.1575	334	0.0255
201	-0.2215	253	-0.0535	335	0.0245
202	-0.1825	254	-0.1955	336	0.0245
203	-0.1965	255	-0.7935	337	0.0255
204	-0.2165	256	-0.7235	338	0.0275
205	-0.0245	257	-0.6535	339	0.0265
206	0.0175	258	-0.4525	340	0.0275
207	-0.0265	259	-0.3295	341	0.0245
208	-0.0525	260	-0.2895	350	-0.0305
210	0.0385	261	-0.2575	351	0.0345
211	0.1275	262	-0.2345	352	0.0335
212	-0.0315	263	-0.2865	353	0.0335
213	-0.8805	264	-0.1795	354	0.0345
214	-0.6755	265	-0.0505	355	0.0345
215	-0.5555	266	-0.0225		
216	-0.3525	267	-0.2955		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 440
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 11.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.798
TUNNEL DYNAMIC PRESSURE(PSF) = 602.
TUNNEL STAGNATION PRESSURE(PSF) = 2053.
TUNNEL STATIC PRESSURE(PSF) = 1349.
REYNOLDS NUMBER PER FOOT = 3.9890E 06
MODEL ANGLE OF ATTACK(DEG) = 14.14
FIN ANGLE(DEG) = -0.12
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.4391
247	0.4371
347	0.4381
447	0.4391
547	0.4471
647	0.4461
747	0.4471

ORF	CP	ORF	CP	ORF	CP
1	-0.3699	52	-0.3579	102	-0.3039
2	-0.5809	53	-0.4059	103	-0.5589
3	-0.5029	54	-0.3759	104	-0.5479
4	-0.4079	55	-0.9779	105	-0.4119
5	-0.3519	56	-0.8799	110	-0.0419
6	-0.3289	57	-0.6439	111	-0.0889
7	-0.3129	58	-0.4659	112	-0.0429
8	-0.3079	59	-0.3939	113	-0.1389
9	-0.2999	60	-0.3579	114	-0.2279
10	-0.2909	61	-0.3519	115	-0.0339
11	-0.2839	62	-0.3679	116	0.1211
12	-0.2929	63	-0.4009	117	0.1021
13	-0.2979	64	-0.4769	118	0.1001
14	-0.3629	65	-0.4729	119	-0.0239
15	-0.3449	66	-0.9989	120	0.0051
16	-0.4669	67	-1.0899	121	-0.0829
17	-0.4229	68	-1.0349	122	-0.0759
18	-0.3949	69	-0.8139	123	-0.0769
19	-0.3539	70	-0.5719	124	-0.1149
20	-0.3359	71	-0.4129	125	-0.0889
21	-0.3309	72	-0.3759	126	-0.0779
22	-0.3189	73	-0.3909	127	-0.0799
23	-0.3099	74	-0.3999	128	-0.1259
24	-0.3009	75	-0.9719	129	-0.0159
25	-0.2989	76	-1.0399	135	-0.0349
26	-0.3049	77	-1.1419	136	-0.0589
27	-0.3219	78	-1.0979	137	-0.0409
28	-0.3589	79	-0.8379	138	0.0481
29	-0.3389	80	-0.6139	139	0.0571
30	-0.5309	81	-0.4049	140	0.0601
32	-0.3579	82	-0.3339	141	0.1221
33	-0.3409	83	-0.8179	142	0.0981
34	-0.3379	84	-0.9729	143	0.1211
35	-0.3229	85	-1.0359	145	-0.0579
36	-0.3129	86	-1.0559	147	0.0981
37	-0.3149	87	-0.9399	151	-0.1419
38	-0.3099	88	-0.6919	152	-0.1959
39	-0.3159	89	-0.4589	153	-0.2179
40	-0.3259	90	-0.7829	154	-0.2189
41	-0.3609	91	-0.7609	155	-0.0619
42	-0.3409	92	-0.7349	156	-0.1389
43	-0.8229	93	-0.7729	157	-0.1749
44	-0.5579	94	-0.7399	158	0.0611
45	-0.4109	95	-0.5779	159	-0.0679
46	-0.3709	96	-0.2989	160	-0.0979
47	-0.3449	97	-0.3969	161	-0.1429
48	-0.3389	98	0.1011	162	0.0921
49	-0.3289	99	0.1051	163	0.0171
50	-0.3419	100	-0.3109	164	0.0501
51	-0.3509	101	-0.3419	165	-0.1059

ORF	CP	ORF	CP	ORF	CP
166	0.2011	217	-0.2899	268	-0.2099
167	0.0641	218	-0.2549	269	-0.0619
168	0.0391	219	-0.2369	270	0.0021
169	-0.0419	220	-0.2439	271	-0.3239
170	0.0711	221	-0.5299	272	-0.2319
171	-0.0259	222	-0.5299	273	-0.0199
172	-0.1339	223	-0.1089	274	0.0101
173	-0.0649	224	-0.0669	275	0.0731
174	-0.1149	225	0.1071	276	-0.0799
175	-0.1739	226	-0.0829	277	-0.2319
176	-0.2059	227	-0.9969	278	-0.8599
177	-0.2929	228	-0.9369	279	-0.8279
178	-0.3119	229	-0.8499	280	-0.7309
179	-0.2329	230	-0.6329	281	-0.5019
180	-0.2169	231	-0.3389	282	-0.3509
181	-0.0409	232	-0.2729	283	-0.3169
182	0.0741	233	-0.2449	284	-0.2909
183	0.2201	234	-0.2339	285	-0.2929
184	0.3761	235	-0.3469	286	-0.3239
185	0.3941	236	-0.2269	287	-0.2809
186	0.3691	237	-0.0389	288	-0.0189
187	0.3551	238	0.0181	289	0.0761
188	0.3831	239	0.0371	290	-0.0539
189	0.3961	240	-0.0899	291	-0.4949
190	-0.1949	241	-0.8699	292	0.1971
191	-0.2439	242	-0.8499	325	0.0221
192	-0.2069	244	-0.6209	326	0.0211
193	-0.2219	245	-0.3869	327	0.0191
194	-0.2429	246	-0.3039	328	0.0191
195	-0.2389	247	-0.2749	329	0.0211
196	-0.2169	248	-0.2409	330	0.0241
197	-0.1939	249	-0.1949	331	0.0211
198	-0.2109	250	0.0281	332	0.0201
199	-0.2139	251	-0.1999	333	0.0201
200	-0.2479	252	-0.1779	334	0.0201
201	-0.2419	253	-0.0889	335	0.0241
202	-0.1859	254	-0.2439	336	0.0241
203	-0.2029	255	-0.8289	337	0.0221
204	-0.2369	256	-0.7839	338	0.0211
205	-0.0649	257	-0.7159	339	0.0191
206	-0.0109	258	-0.5159	340	0.0201
207	-0.0559	259	-0.3629	341	0.0221
208	-0.0869	260	-0.3209	350	-0.0209
210	0.0181	261	-0.2909	351	0.0291
211	0.1301	262	-0.2659	352	0.0321
212	-0.0249	263	-0.3119	353	0.0301
213	-1.0259	264	-0.1999	354	0.0301
214	-0.7829	265	-0.0759	355	0.0291
215	-0.6399	266	-0.0539		
216	-0.4289	267	-0.3189		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 441
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 11.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.798
TUNNEL DYNAMIC PRESSURE(PSF) = 601.
TUNNEL STAGNATION PRESSURE(PSF) = 2052.
TUNNEL STATIC PRESSURE(PSF) = 1349.
REYNOLDS NUMBER PER FOOT = 3.9870E 06
MODEL ANGLE OF ATTACK(DEG) = 0.12
FIN ANGLE(DEG) = -0.15
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.4374
247	0.4364
347	0.4364
447	0.4374
547	0.4304
647	0.4294
747	0.4304

ORF	CP	ORF	CP	ORF	CP
1	-0.0256	52	-0.1836	102	-0.1776
2	-0.3626	53	-0.3906	103	-0.4866
3	-0.3226	54	-0.2886	104	-0.4836
4	-0.2106	55	0.0434	105	-0.2996
5	-0.1296	56	0.0234	110	-0.1056
6	-0.0836	57	0.0084	111	-0.1246
7	-0.0646	58	-0.0166	112	-0.0856
8	-0.0556	59	-0.0426	113	-0.1226
9	-0.0556	60	-0.0676	114	-0.1276
10	-0.0556	61	-0.1016	115	-0.0696
11	-0.0636	62	-0.1496	116	-0.0116
12	-0.0826	63	-0.2426	117	0.0094
13	-0.1066	64	-0.4926	118	0.0104
14	-0.2186	65	-0.4226	119	-0.0276
15	-0.2006	66	0.0364	120	0.0094
16	-0.1306	67	0.0084	121	-0.0106
17	-0.1346	68	-0.0186	122	-0.0096
18	-0.0966	69	-0.0496	123	-0.1226
19	-0.0726	70	-0.0836	124	-0.0626
20	-0.0576	71	-0.1246	125	-0.0446
21	-0.0456	72	-0.1936	126	-0.0336
22	-0.0506	73	-0.3256	127	-0.0386
23	-0.0526	74	-0.3956	128	-0.1356
24	-0.0546	75	0.0204	129	-0.0626
25	-0.0636	76	-0.0146	135	0.0064
26	-0.0896	77	-0.0656	136	-0.0066
27	-0.1316	78	-0.1076	137	0.0044
28	-0.2426	79	-0.1636	138	0.0784
29	-0.2146	80	-0.2346	139	0.0814
30	-0.0326	81	-0.4016	140	0.0804
32	-0.0326	82	-0.3346	141	0.0904
33	-0.0226	83	-0.0026	142	0.0904
34	-0.0306	84	-0.0536	143	0.0884
35	-0.0376	85	-0.1006	145	-0.0126
36	-0.0456	86	-0.1566	147	0.0934
37	-0.0546	87	-0.2116	151	0.0004
38	-0.0726	88	-0.3366	152	-0.1776
39	-0.0926	89	-0.3146	153	-0.2046
40	-0.1446	90	-0.0786	154	-0.2606
41	-0.2546	91	-0.1196	155	0.0984
42	-0.2256	92	-0.1566	156	0.1154
43	0.0294	93	-0.1946	157	-0.0596
44	0.0134	94	-0.2746	158	0.3564
45	0.0054	95	-0.2616	159	0.2774
46	-0.0106	96	-0.3136	160	0.2014
47	-0.0236	97	-0.4376	161	0.0574
48	-0.0396	98	-0.0246	162	0.3284
49	-0.0556	99	-0.0696	163	0.2954
50	-0.0826	100	-0.3196	164	0.0764
51	-0.1236	101	-0.2116	165	-0.0016

ORF	CP	ORF	CP	ORF	CP
166	0.3834	217	-0.1186	268	-0.1346
167	0.3014	218	-0.0896	269	0.1324
168	0.2254	219	-0.0816	270	0.2054
169	0.0664	220	-0.1236	271	-0.1876
170	0.2664	221	-0.5056	272	-0.2256
171	0.1794	222	-0.3686	273	0.0824
172	-0.0736	223	-0.0736	274	0.1484
173	0.0254	224	-0.0556	275	0.2844
174	-0.0626	225	0.1764	276	0.2434
175	-0.2306	226	0.0124	277	0.0634
176	-0.2456	227	-0.6466	278	-0.7356
177	-0.2046	228	-0.6036	279	-0.7296
178	-0.3836	229	-0.5406	280	-0.6476
179	-0.3516	230	-0.3206	281	-0.4036
180	-0.2126	231	-0.1366	282	-0.1446
181	0.3024	232	-0.0976	283	-0.0826
182	0.4214	233	-0.0886	284	-0.0566
183	0.4244	234	-0.1026	285	-0.0896
184	0.5944	235	-0.2526	286	-0.1976
185	0.6414	236	-0.2026	287	-0.2596
186	0.7104	237	-0.0426	288	0.0524
187	0.7684	238	0.0014	289	0.1874
188	0.8224	239	0.1684	290	0.1684
189	0.8534	240	0.0554	291	-0.5316
190	-0.1896	241	-0.6276	292	-0.0566
191	-0.1786	242	-0.5966	325	0.0134
192	-0.1986	244	-0.2736	326	0.0104
193	-0.2026	245	-0.1346	327	0.0124
194	-0.1896	246	-0.1016	328	0.0144
195	-0.1886	247	-0.0796	329	0.0144
196	-0.2146	248	-0.0686	330	0.0144
197	-0.1936	249	-0.0636	331	0.0114
198	-0.1916	250	0.0104	332	0.0134
199	-0.1906	251	-0.1836	333	0.0154
200	-0.1916	252	-0.0576	334	0.0144
201	-0.1876	253	0.1884	335	0.0154
202	-0.1926	254	0.0214	336	0.0154
203	-0.1876	255	-0.6806	337	0.0134
204	-0.1866	256	-0.6616	338	0.0114
205	0.1754	257	-0.6056	339	0.0134
206	0.1984	258	-0.4376	340	0.0154
207	0.1974	259	-0.1526	341	0.0154
208	0.1964	260	-0.0906	350	-0.0376
210	0.2544	261	-0.0676	351	0.0124
211	0.2114	262	-0.0566	352	0.0114
212	0.0464	263	-0.1776	353	0.0114
213	-0.7666	264	-0.0806	354	0.0114
214	-0.6126	265	0.1544	355	0.0114
215	-0.5206	266	0.1804		
216	-0.2556	267	-0.1856		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 457
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 10.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.700
TUNNEL DYNAMIC PRESSURE(PSF) = 547.
TUNNEL STAGNATION PRESSURE(PSF) = 2212.
TUNNEL STATIC PRESSURE(PSF) = 1595.
REYNOLDS NUMBER PER FOOT = 4.0010E 06
MODEL ANGLE OF ATTACK(DEG) = -14.21
FIN ANGLE(DEG) = -0.12
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.0321
247	0.0301
" 347	0.0311
447	0.0301
547	0.0361
647	0.0361
747	0.0371

ORF	CP	ORF	CP	ORF	CP
1	0.3841	52	0.0381	102	-0.1499
2	0.1861	53	-0.1869	103	-0.6409
3	0.2501	54	-0.1769	104	-0.4789
4	0.2901	55	0.5531	105	-0.3679
5	0.3101	56	0.4681	110	-0.0649
6	0.3061	57	0.4061	111	-0.0739
7	0.2991	58	0.3511	112	-0.0479
8	0.2911	59	0.2991	113	-0.0899
9	0.2761	60	0.2411	114	-0.2419
10	0.2521	61	0.1771	115	0.0811
11	0.2251	62	0.0941	116	0.0711
12	0.1861	63	-0.0269	117	0.0591
13	0.1271	64	-0.2789	118	0.0441
14	-0.0789	65	-0.3039	119	-0.0239
15	-0.1149	66	0.5221	120	-0.0419
16	0.4621	67	0.4321	121	-0.0879
17	0.4201	68	0.3571	122	-0.0929
18	0.3991	69	0.2901	123	-0.1809
19	0.3761	70	0.2281	124	-0.1329
20	0.3591	71	0.1531	125	-0.1159
21	0.3381	72	0.0591	126	-0.1129
22	0.3121	73	-0.0909	127	-0.1109
23	0.2851	74	-0.2879	128	-0.1769
24	0.2531	75	0.4891	129	-0.0609
25	0.2201	76	0.3771	135	-0.0579
26	0.1741	77	0.2911	136	-0.0979
27	0.0961	78	0.2081	137	-0.0529
28	-0.0689	79	0.1231	138	0.0501
29	-0.1279	80	0.0221	139	0.0331
30	0.5271	81	-0.1719	140	0.0481
32	0.4311	82	-0.2599	141	0.1581
33	0.3991	83	0.4011	142	0.1371
34	0.3581	84	0.3131	143	0.1401
35	0.3301	85	0.2091	145	-0.1049
36	0.2951	86	0.1111	147	0.1381
37	0.2601	87	0.0241	151	0.0691
38	0.2201	88	-0.1229	152	-0.1489
39	0.1631	89	-0.2449	153	-0.1709
40	0.0871	90	0.3101	154	-0.2849
41	-0.0609	91	0.1521	155	0.2271
42	-0.1289	92	0.0581	156	0.2071
43	0.5541	93	-0.0159	157	-0.0269
44	0.4851	94	-0.1179	158	0.6051
45	0.4281	95	-0.2149	159	0.3261
46	0.3841	96	-0.8159	160	0.2621
47	0.3461	97	-0.3759	161	0.0801
48	0.2951	98	-1.0809	162	0.4871
49	0.2471	99	-0.5319	163	0.3481
50	0.1941	100	-0.3119	164	0.0291
51	0.1291	101	-0.2249	165	-0.0039

ORF	CP	ORF	CP	ORF	CP
166	0.3761	217	-0.0359	268	0.0291
167	0.2451	218	0.1091	269	0.3641
168	0.1651	219	0.1171	270	0.5051
169	-0.0119	220	0.0591	271	-0.1879
170	0.2971	221	-0.4309	272	-0.0509
171	0.0721	222	-0.2509	273	0.3771
172	-0.1269	223	-0.0249	274	0.4421
173	0.0881	224	0.0141	275	0.4291
174	-0.0489	225	0.4001	276	0.5201
175	-0.2529	226	0.1871	277	0.3731
176	-0.2999	227	-0.5229	278	-0.3379
177	-0.2069	228	-0.5309	279	-0.1429
178	-0.3989	229	-0.5119	280	0.0591
179	-0.2409	230	-0.3789	281	0.2361
180	-0.2479	231	0.0061	282	0.3051
181	0.4371	232	0.1111	283	0.3051
182	0.6081	233	0.1261	284	0.2771
183	0.2871	234	0.0911	285	0.1551
184	0.3891	235	-0.0799	286	-0.2109
185	0.4941	236	-0.0109	287	-0.0789
186	0.6631	237	0.1101	288	0.2821
187	0.8541	238	0.1521	289	0.2911
188	1.0251	239	0.4701	290	0.3901
189	1.0941	240	0.3311	291	-0.8389
190	-0.2319	241	-0.5369	292	-0.2469
191	-0.2279	242	-0.5129	325	-0.0339
192	-0.2459	244	-0.1479	326	-0.0349
193	-0.2449	245	0.0941	327	-0.0339
194	-0.2299	246	0.1501	328	-0.0359
195	-0.2439	247	0.1661	329	-0.0359
196	-0.2529	248	0.1631	330	-0.0369
197	-0.2419	249	0.1541	331	-0.0339
198	-0.2439	250	-0.0289	332	-0.0339
199	-0.2439	251	-0.1979	333	-0.0349
200	-0.2359	252	0.0341	334	-0.0369
201	-0.2369	253	0.4951	335	-0.0369
202	-0.2379	254	0.3151	336	-0.0369
203	-0.2399	255	-0.3859	337	-0.0359
204	-0.2369	256	-0.3399	338	-0.0359
205	-0.1159	257	-0.2629	339	-0.0349
206	-0.0659	258	-0.0099	340	-0.0359
207	-0.0829	259	0.1761	341	-0.0369
208	0.0871	260	0.2161	350	-0.0269
210	0.6131	261	0.2131	351	-0.0289
211	0.4101	262	0.1771	352	-0.0269
212	0.2151	263	-0.0309	353	-0.0269
213	-0.5579	264	0.0691	354	-0.0279
214	-0.5409	265	0.3381	355	-0.0269
215	-0.5379	266	0.4191		
216	-0.4239	267	-0.0769		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 458
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 10.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.700
TUNNEL DYNAMIC PRESSURE(PSF) = 547.
TUNNEL STAGNATION PRESSURE(PSF) = 2212.
TUNNEL STATIC PRESSURE(PSF) = 1594.
REYNOLDS NUMBER PER FOOT = 4.0020E 06
MODEL ANGLE OF ATTACK(DEG) = -12.08
FIN ANGLE(DEG) = 0.06
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.0309
247	0.0299
347	0.0299
447	0.0309
547	0.0239
647	0.0239
747	0.0239

ORF	CP	ORF	CP	ORF	CP
1	0.3109	52	0.0099	102	-0.1461
2	0.0869	53	-0.2121	103	-0.5951
3	0.1599	54	-0.1881	104	-0.4701
4	0.2099	55	0.4999	105	-0.3501
5	0.2379	56	0.4099	110	-0.0861
6	0.2459	57	0.3569	111	-0.0891
7	0.2429	58	0.3079	112	-0.0661
8	0.2339	59	0.2599	113	-0.1011
9	0.2219	60	0.2009	114	-0.2261
10	0.2079	61	0.1389	115	0.0369
11	0.1829	62	0.0589	116	0.0429
12	0.1499	63	-0.0551	117	0.0359
13	0.0959	64	-0.2891	118	0.0399
14	-0.1031	65	-0.3091	119	-0.0281
15	-0.1251	66	0.4679	120	-0.0391
16	0.3819	67	0.3829	121	-0.0761
17	0.3469	68	0.3089	122	-0.0781
18	0.3299	69	0.2499	123	-0.1551
19	0.3069	70	0.1909	124	-0.1231
20	0.2959	71	0.1229	125	-0.1141
21	0.2749	72	0.0279	126	-0.1061
22	0.2599	73	-0.1171	127	-0.1031
23	0.2339	74	-0.2901	128	-0.1781
24	0.2119	75	0.4459	129	-0.0781
25	0.1819	76	0.3359	135	-0.0471
26	0.1389	77	0.2539	136	-0.0791
27	0.0659	78	0.1739	137	-0.0471
28	-0.0961	79	0.0959	138	0.0499
29	-0.1411	80	-0.0021	139	0.0349
30	0.4579	81	-0.1841	140	0.0459
32	0.3649	82	-0.2621	141	0.1299
33	0.3399	83	0.3579	142	0.1079
34	0.3039	84	0.2709	143	0.1109
35	0.2799	85	0.1719	145	-0.0821
36	0.2489	86	0.0879	147	0.1119
37	0.2169	87	0.0009	151	0.0639
38	0.1769	88	-0.1381	152	-0.1381
39	0.1269	89	-0.2401	153	-0.1891
40	0.0509	90	0.2669	154	-0.2761
41	-0.0881	91	0.1179	155	0.2849
42	-0.1381	92	0.0309	156	0.2079
43	0.4949	93	-0.0301	157	-0.0221
44	0.4199	94	-0.1261	158	0.5909
45	0.3669	95	-0.2061	159	0.3389
46	0.3329	96	-0.7261	160	0.2729
47	0.2989	97	-0.3811	161	0.0939
48	0.2519	98	-1.0051	162	0.4849
49	0.2079	99	-0.6281	163	0.3519
50	0.1519	100	-0.2931	164	0.0339
51	0.0969	101	-0.2151	165	0.0069

ORF	CP	ORF	CP	ORF	CP
166	0.3709	217	-0.0961	268	0.0019
167	0.2689	218	0.0559	269	0.3319
168	0.1949	219	0.0719	270	0.4629
169	0.0029	220	0.0139	271	-0.1881
170	0.3199	221	-0.4591	272	-0.0891
171	0.0789	222	-0.2701	273	0.3519
172	-0.1151	223	-0.0041	274	0.3999
173	0.0949	224	0.0399	275	0.4179
174	-0.0331	225	0.3609	276	0.4509
175	-0.2371	226	0.1429	277	0.2959
176	-0.2991	227	-0.5781	278	-0.4361
177	-0.2061	228	-0.5781	279	-0.3181
178	-0.3771	229	-0.5671	280	-0.0871
179	-0.1991	230	-0.4221	281	0.1439
180	-0.2461	231	-0.0611	282	0.2239
181	0.4069	232	0.0629	283	0.2259
182	0.5689	233	0.0809	284	0.2149
183	0.3059	234	0.0489	285	0.1099
184	0.4219	235	-0.1181	286	-0.2101
185	0.5169	236	-0.0541	287	-0.1381
186	0.7159	237	0.0729	288	0.2519
187	0.8979	238	0.1219	289	0.2749
188	1.0509	239	0.4269	290	0.3419
189	1.1159	240	0.2829	291	-0.7381
190	-0.2251	241	-0.6171	292	-0.2341
191	-0.2251	242	-0.5931	325	-0.0271
192	-0.2331	244	-0.2111	326	-0.0271
193	-0.2331	245	0.0389	327	-0.0271
194	-0.2241	246	0.0909	328	-0.0251
195	-0.2291	247	0.1149	329	-0.0271
196	-0.2561	248	0.1159	330	-0.0291
197	-0.2391	249	0.1109	331	-0.0291
198	-0.2351	250	-0.0301	332	-0.0271
199	-0.2381	251	-0.2051	333	-0.0251
200	-0.2261	252	0.0179	334	-0.0271
201	-0.2241	253	0.4389	335	-0.0291
202	-0.2281	254	0.2479	336	-0.0261
203	-0.2261	255	-0.4491	337	-0.0261
204	-0.2331	256	-0.4141	338	-0.0261
205	-0.0381	257	-0.3471	339	-0.0261
206	0.0099	258	-0.1021	340	-0.0261
207	-0.0011	259	0.1039	341	-0.0261
208	0.1469	260	0.1519	350	-0.0281
210	0.5659	261	0.1539	351	-0.0311
211	0.3649	262	0.1289	352	-0.0281
212	0.1679	263	-0.0571	353	-0.0301
213	-0.6041	264	0.0449	354	-0.0291
214	-0.5861	265	0.3029	355	-0.0301
215	-0.5831	266	0.3819		
216	-0.4731	267	-0.0961		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 459
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 10.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.700
TUNNEL DYNAMIC PRESSURE(PSF) = 547.
TUNNEL STAGNATION PRESSURE(PSF) = 2212.
TUNNEL STATIC PRESSURE(PSF) = 1594.
REYNOLDS NUMBER PER FOOT = 4.0040E 06
MODEL ANGLE OF ATTACK(DEG) = -8.05
FIN ANGLE(DEG) = -0.02
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALUE	CP(REF)
147	0.0319
247	0.0299
347	0.0299
447	0.0309
547	0.0299
647	0.0289
747	0.0299

ORF	CP	ORF	CP	ORF	CP
1	0.1949	52	-0.0481	102	-0.1391
2	-0.0521	53	-0.2571	103	-0.5081
3	0.0189	54	-0.2091	104	-0.4461
4	0.0859	55	0.3869	105	-0.2891
5	0.1199	56	0.3079	110	-0.0691
6	0.1339	57	0.2649	111	-0.0851
7	0.1339	58	0.2159	112	-0.0621
8	0.1369	59	0.1729	113	-0.0911
9	0.1269	60	0.1239	114	-0.1751
10	0.1209	61	0.0679	115	0.0119
11	0.1019	62	-0.0031	116	0.0289
12	0.0719	63	-0.1051	117	0.0329
13	0.0269	64	-0.3281	118	0.0309
14	-0.1401	65	-0.3261	119	-0.0191
15	-0.1371	66	0.3609	120	-0.0151
16	0.2369	67	0.2769	121	-0.0451
17	0.2089	68	0.2169	122	-0.0421
18	0.2059	69	0.1669	123	-0.1651
19	0.1889	70	0.1149	124	-0.0941
20	0.1859	71	0.0489	125	-0.0761
21	0.1719	72	-0.0351	126	-0.0641
22	0.1659	73	-0.1631	127	-0.0701
23	0.1469	74	-0.2791	128	-0.1681
24	0.1269	75	0.3379	129	-0.0691
25	0.1039	76	0.2409	135	-0.0111
26	0.0639	77	0.1699	136	-0.0381
27	0.0049	78	0.1029	137	-0.0161
28	-0.1451	79	0.0309	138	0.0699
29	-0.1551	80	-0.0561	139	0.0679
30	0.3299	81	-0.2231	140	0.0679
32	0.2569	82	-0.2481	141	0.1099
33	0.2309	83	0.2649	142	0.1019
34	0.2049	84	0.1849	143	0.0989
35	0.1809	85	0.0949	145	-0.0411
36	0.1629	86	0.0199	147	0.0979
37	0.1299	87	-0.0531	151	0.0589
38	0.0999	88	-0.1711	152	-0.1351
39	0.0589	89	-0.2301	153	-0.1821
40	-0.0071	90	0.1779	154	-0.2731
41	-0.1381	91	0.0369	155	0.2669
42	-0.1591	92	-0.0241	156	0.1829
43	0.3829	93	-0.0801	157	-0.0281
44	0.3099	94	-0.1551	158	0.5179
45	0.2679	95	-0.1911	159	0.3329
46	0.2339	96	-0.6521	160	0.2679
47	0.2009	97	-0.3701	161	0.0949
48	0.1669	98	-0.6861	162	0.4599
49	0.1229	99	-0.6151	163	0.3569
50	0.0859	100	-0.3151	164	0.0669
51	0.0279	101	-0.1951	165	0.0229

ORF	CP	ORF	CP	ORF	CP
166	0.3659	217	-0.1571	268	-0.0381
167	0.3109	218	0.0059	269	0.2819
168	0.2379	219	0.0219	270	0.3929
169	0.0459	220	-0.0281	271	-0.1751
170	0.3799	221	-0.4581	272	-0.1521
171	0.1319	222	-0.2961	273	0.2859
172	-0.0981	223	0.0329	274	0.3459
173	0.1019	224	0.0069	275	0.3829
174	-0.0101	225	0.3089	276	0.3959
175	-0.2421	226	0.0889	277	0.2289
176	-0.2831	227	-0.6461	278	-0.5321
177	-0.1931	228	-0.6431	279	-0.4541
178	-0.3511	229	-0.6331	280	-0.2541
179	-0.1921	230	-0.4941	281	0.0149
180	-0.2251	231	-0.1171	282	0.1149
181	0.3779	232	0.0069	283	0.1249
182	0.5289	233	0.0229	284	0.1249
183	0.3719	234	0.0009	285	0.0349
184	0.5449	235	-0.1551	286	-0.1861
185	0.6419	236	-0.1061	287	-0.2171
186	0.8489	237	0.0469	288	0.2139
187	1.0419	238	0.0899	289	0.2569
188	1.1249	239	0.3749	290	0.2989
189	1.1359	240	0.2309	291	-0.5661
190	-0.2051	241	-0.7071	292	-0.1881
191	-0.2051	242	-0.6781	325	-0.0081
192	-0.2141	244	-0.2871	326	-0.0081
193	-0.2031	245	-0.0371	327	-0.0071
194	-0.1981	246	0.0269	328	-0.0041
195	-0.2061	247	0.0549	329	-0.0071
196	-0.2311	248	0.0679	330	-0.0071
197	-0.2071	249	0.0669	331	-0.0081
198	-0.2031	250	-0.0091	332	-0.0061
199	-0.2061	251	-0.1861	333	-0.0041
200	-0.2081	252	0.0019	334	-0.0071
201	-0.1971	253	0.3939	335	-0.0081
202	-0.1951	254	0.1879	336	-0.0081
203	-0.1971	255	-0.5901	337	-0.0081
204	-0.2011	256	-0.5431	338	-0.0071
205	0.1139	257	-0.4651	339	-0.0061
206	0.1409	258	-0.1941	340	-0.0031
207	0.1439	259	0.0229	341	-0.0081
208	0.2089	260	0.0739	350	-0.0231
210	0.5099	261	0.0869	351	-0.0091
211	0.3209	262	0.0739	352	-0.0081
212	0.1159	263	-0.0861	353	-0.0091
213	-0.6711	264	0.0169	354	-0.0081
214	-0.6421	265	0.2559	355	-0.0091
215	-0.6331	266	0.3229		
216	-0.5251	267	-0.1091		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 460
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 10.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.699
TUNNEL DYNAMIC PRESSURE(PSF) = 546.
TUNNEL STAGNATION PRESSURE(PSF) = 2212.
TUNNEL STATIC PRESSURE(PSF) = 1596.
REYNOLDS NUMBER PER FOOT = 3.9970E 06
MODEL ANGLE OF ATTACK(DEG) = -6.04
FIN ANGLE(DEG) = -0.13
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCANIVALE	CP(REF)
147	0.0309
247	0.0289
347	0.0299
447	0.0299
547	0.0129
647	0.0119
747	0.0129

ORF	CP	ORF	CP	ORF	CP
1	0.1469	52	-0.0891	102	-0.1551
2	-0.0921	53	-0.2921	103	-0.5061
3	-0.0261	54	-0.2291	104	-0.4551
4	0.0429	55	0.3129	105	-0.3011
5	0.0669	56	0.2449	110	-0.1031
6	0.0859	57	0.2069	111	-0.1091
7	0.0849	58	0.1609	112	-0.0821
8	0.0869	59	0.1169	113	-0.1111
9	0.0819	60	0.0759	114	-0.1641
10	0.0649	61	0.0229	115	-0.0171
11	0.0549	62	-0.0401	116	0.0049
12	0.0349	63	-0.1441	117	0.0039
13	-0.0131	64	-0.3641	118	-0.0381
14	-0.1631	65	-0.3481	119	-0.0421
15	-0.1551	66	0.2959	120	-0.0261
16	0.1639	67	0.2159	121	-0.0421
17	0.1399	68	0.1629	122	-0.0411
18	0.1369	69	0.1149	123	-0.1581
19	0.1289	70	0.0669	124	-0.0891
20	0.1219	71	0.0019	125	-0.0781
21	0.1189	72	-0.0741	126	-0.0531
22	0.1049	73	-0.2011	127	-0.0681
23	0.0889	74	-0.3021	128	-0.1721
24	0.0789	75	0.2709	129	-0.0851
25	0.0549	76	0.1859	135	-0.0271
26	0.0209	77	0.1179	136	-0.0331
27	-0.0321	78	0.0549	137	-0.0231
28	-0.1691	79	-0.0151	138	0.0599
29	-0.1721	80	-0.1031	139	0.0579
30	0.2559	81	-0.2631	140	0.0639
32	0.1949	82	-0.2751	141	0.0829
33	0.1709	83	0.2069	142	0.0859
34	0.1439	84	0.1249	143	0.0859
35	0.1279	85	0.0429	145	-0.0311
36	0.1099	86	-0.0211	147	0.0839
37	0.0889	87	-0.0921	151	0.0519
38	0.0559	88	-0.2061	152	-0.1381
39	0.0139	89	-0.2501	153	-0.1771
40	-0.0381	90	0.1079	154	-0.2571
41	-0.1681	91	-0.0141	155	0.2329
42	-0.1811	92	-0.0751	156	0.1549
43	0.3109	93	-0.1251	157	-0.0461
44	0.2459	94	-0.1881	158	0.4859
45	0.2109	95	-0.2021	159	0.3099
46	0.1829	96	-0.5511	160	0.2499
47	0.1499	97	-0.3871	161	0.0859
48	0.1179	98	-0.3971	162	0.4239
49	0.0819	99	-0.4601	163	0.3339
50	0.0419	100	-0.2961	164	0.0539
51	-0.0081	101	-0.1981	165	0.0149

ORF	CP	ORF	CP	ORF	CP
166	0.3459	217	-0.1731	268	-0.0701
167	0.3159	218	-0.0451	269	0.2249
168	0.2379	219	-0.0291	270	0.3359
169	0.0459	220	-0.0741	271	-0.1851
170	0.3879	221	-0.5061	272	-0.1891
171	0.1379	222	-0.3191	273	0.2309
172	-0.0911	223	-0.0001	274	0.2889
173	0.0799	224	-0.0091	275	0.2979
174	-0.0111	225	0.2549	276	0.3319
175	-0.2391	226	0.0419	277	0.1759
176	-0.2661	227	-0.6951	278	-0.5411
177	-0.1911	228	-0.6911	279	-0.4711
178	-0.3311	229	-0.6721	280	-0.2791
179	-0.1751	230	-0.4891	281	-0.0451
180	-0.2181	231	-0.1431	282	0.0529
181	0.3449	232	-0.0501	283	0.0539
182	0.4989	233	-0.0201	284	0.0619
183	0.3939	234	-0.0401	285	-0.0071
184	0.5579	235	-0.1891	286	-0.2011
185	0.6889	236	-0.1351	287	-0.2441
186	0.8629	237	0.0139	288	0.1789
187	1.0339	238	0.0539	289	0.2379
188	1.0989	239	0.3199	290	0.2449
189	1.1259	240	0.1769	291	-0.5251
190	-0.1951	241	-0.7611	292	-0.1661
191	-0.1881	242	-0.7141	325	-0.0041
192	-0.1951	244	-0.3271	326	-0.0061
193	-0.2001	245	-0.0791	327	-0.0061
194	-0.1941	246	-0.0281	328	-0.0091
195	-0.1951	247	0.0029	329	-0.0071
196	-0.2041	248	0.0159	330	-0.0091
197	-0.1971	249	0.0259	331	-0.0071
198	-0.1921	250	-0.0191	332	-0.0071
199	-0.1951	251	-0.1941	333	-0.0091
200	-0.2041	252	-0.0321	334	-0.0071
201	-0.1911	253	0.2989	335	-0.0091
202	-0.1941	254	0.1169	336	-0.0041
203	-0.1901	255	-0.6481	337	-0.0031
204	-0.1921	256	-0.5761	338	-0.0071
205	0.1209	257	-0.4511	339	-0.0071
206	0.1469	258	-0.1981	340	-0.0091
207	0.1499	259	-0.0291	341	-0.0061
208	0.1819	260	0.0149	350	-0.0411
210	0.4439	261	0.0279	351	-0.0201
211	0.2749	262	0.0189	352	-0.0221
212	0.0719	263	-0.1231	353	-0.0221
213	-0.7481	264	-0.0221	354	-0.0171
214	-0.7201	265	0.2089	355	-0.0221
215	-0.7051	266	0.2629		
216	-0.5451	267	-0.1401		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 461
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 10.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.702
TUNNEL DYNAMIC PRESSURE(PSF) = 549.
TUNNEL STAGNATION PRESSURE(PSF) = 2212.
TUNNEL STATIC PRESSURE(PSF) = 1592.
REYNOLDS NUMBER PER FOOT = 4.0090E 06
MODEL ANGLE OF ATTACK(DEG) = -4.00
FIN ANGLE(DEG) = -0.22
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 541.

SCAN VALUE	CP(REF)
147	0.0362
247	0.0342
347	0.0362
447	0.0362
547	0.0472
647	0.0472
747	0.0482

ORF	CP	ORF	CP	ORF	CP
1	0.0752	52	-0.1108	102	-0.1528
2	-0.1458	53	-0.3128	103	-0.4948
3	-0.0908	54	-0.2428	104	-0.4698
4	-0.0118	55	0.2462	105	-0.3018
5	0.0142	56	0.1882	110	-0.0718
6	0.0292	57	0.1522	111	-0.0798
7	0.0382	58	0.1132	112	-0.0508
8	0.0352	59	0.0752	113	-0.0868
9	0.0322	60	0.0372	114	-0.1198
10	0.0232	61	-0.0108	115	-0.0018
11	0.0152	62	-0.0718	116	0.0372
12	-0.0048	63	-0.1718	117	0.0432
13	-0.0358	64	-0.3818	118	0.0462
14	-0.1638	65	-0.3608	119	-0.0088
15	-0.1648	66	0.2322	120	0.0162
16	0.0892	67	0.1582	121	-0.0008
17	0.0742	68	0.1102	122	-0.0048
18	0.0682	69	0.0652	123	-0.1198
19	0.0672	70	0.0252	124	-0.0438
20	0.0642	71	-0.0298	125	-0.0298
21	0.0622	72	-0.0998	126	-0.0088
22	0.0532	73	-0.2278	127	-0.0218
23	0.0442	74	-0.3178	128	-0.1308
24	0.0312	75	0.2072	129	-0.0418
25	0.0192	76	0.1332	135	0.0132
26	-0.0098	77	0.0742	136	0.0122
27	-0.0588	78	0.0162	137	0.0212
28	-0.1788	79	-0.0508	138	0.1002
29	-0.1758	80	-0.1268	139	0.0992
30	0.1732	81	-0.2788	140	0.0982
32	0.1262	82	-0.2798	141	0.1152
33	0.1152	83	0.1512	142	0.1182
34	0.0882	84	0.0802	143	0.1192
35	0.0752	85	0.0112	145	0.0082
36	0.0572	86	-0.0478	147	0.1172
37	0.0432	87	-0.1118	151	0.0152
38	0.0202	88	-0.2258	152	-0.1298
39	-0.0108	89	-0.2608	153	-0.1858
40	-0.0678	90	0.0562	154	-0.2368
41	-0.1798	91	-0.0418	155	0.2372
42	-0.1788	92	-0.0848	156	0.1232
43	0.2322	93	-0.1308	157	-0.0488
44	0.1862	94	-0.1988	158	0.4352
45	0.1502	95	-0.2108	159	0.2772
46	0.1272	96	-0.4218	160	0.2202
47	0.0982	97	-0.3848	161	0.0802
48	0.0702	98	-0.0658	162	0.3602
49	0.0422	99	-0.1468	163	0.2862
50	0.0062	100	-0.2468	164	0.0962
51	-0.0418	101	-0.1858	165	0.0102

ORF	CP	ORF	CP	ORF	CP
166	0.3112	217	-0.0888	268	-0.0518
167	0.2702	218	-0.0348	269	0.2152
168	0.2122	219	-0.0218	270	0.3222
169	0.0462	220	-0.0608	271	-0.1518
170	0.3442	221	-0.4788	272	-0.1518
171	0.1472	222	-0.3238	273	0.2192
172	-0.0828	223	0.0502	274	0.2742
173	0.1032	224	0.0212	275	0.3252
174	-0.0108	225	0.2472	276	0.2892
175	-0.1898	226	0.0412	277	0.1232
176	-0.2418	227	-0.6978	278	-0.5398
177	-0.2018	228	-0.6818	279	-0.4918
178	-0.3268	229	-0.6318	280	-0.3618
179	-0.1808	230	-0.3938	281	-0.0818
180	-0.1988	231	-0.1108	282	0.0252
181	0.3012	232	-0.0458	283	0.0372
182	0.4432	233	-0.0198	284	0.0442
183	0.4082	234	-0.0318	285	-0.0068
184	0.5652	235	-0.1848	286	-0.1648
185	0.6742	236	-0.1188	287	-0.2088
186	0.7822	237	0.0242	288	0.1882
187	0.9292	238	0.0722	289	0.2412
188	1.0042	239	0.3092	290	0.2282
189	1.0562	240	0.1672	291	-0.4648
190	-0.1688	241	-0.7228	292	-0.0948
191	-0.1728	242	-0.6738	325	0.0102
192	-0.1788	244	-0.2838	326	0.0102
193	-0.1848	245	-0.0738	327	0.0122
194	-0.1688	246	-0.0188	328	0.0122
195	-0.1708	247	0.0022	329	0.0122
196	-0.1798	248	0.0192	330	0.0112
197	-0.1788	249	0.0322	331	0.0082
198	-0.1798	250	0.0242	332	0.0102
199	-0.1788	251	-0.1518	333	0.0112
200	-0.1758	252	-0.0098	334	0.0112
201	-0.1688	253	0.2442	335	0.0092
202	-0.1758	254	0.0762	336	0.0102
203	-0.1638	255	-0.5758	337	0.0102
204	-0.1658	256	-0.5128	338	0.0082
205	0.1822	257	-0.4128	339	0.0122
206	0.2082	258	-0.1728	340	0.0112
207	0.2132	259	-0.0368	341	0.0122
208	0.2252	260	0.0022	350	-0.0018
210	0.4362	261	0.0142	351	0.0242
211	0.2882	262	0.0182	352	0.0212
212	0.0832	263	-0.0968	353	0.0222
213	-0.8298	264	-0.0008	354	0.0242
214	-0.7718	265	0.2022	355	0.0222
215	-0.7138	266	0.2542		
216	-0.4468	267	-0.1198		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 462
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 10.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.700
TUNNEL DYNAMIC PRESSURE(PSF) = 547.
TUNNEL STAGNATION PRESSURE(PSF) = 2212.
TUNNEL STATIC PRESSURE(PSF) = 1594.
REYNOLDS NUMBER PER FOOT = 4.0060E 06
MODEL ANGLE OF ATTACK(DEG) = -1.91
FIN ANGLE(DEG) = -0.25
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE	CP(REF)
147	0.0299
247	0.0289
347	0.0299
447	0.0309
547	0.0339
647	0.0329
747	0.0329

ORF	CP	ORF	CP	ORF	CP
1	-0.0081	52	-0.1441	102	-0.1471
2	-0.2741	53	-0.3401	103	-0.4941
3	-0.2191	54	-0.2561	104	-0.4911
4	-0.1081	55	0.1449	105	-0.3031
5	-0.0501	56	0.1109	110	-0.0811
6	-0.0251	57	0.0849	111	-0.0961
7	-0.0131	58	0.0439	112	-0.0701
8	-0.0121	59	0.0159	113	-0.1061
9	-0.0141	60	-0.0171	114	-0.1271
10	-0.0201	61	-0.0551	115	-0.0201
11	-0.0301	62	-0.1101	116	0.0199
12	-0.0431	63	-0.2011	117	0.0119
13	-0.0741	64	-0.4141	118	0.0279
14	-0.1891	65	-0.3861	119	-0.0161
15	-0.1691	66	0.1259	120	0.0079
16	-0.0321	67	0.0729	121	-0.0111
17	-0.0321	68	0.0359	122	-0.0081
18	-0.0201	69	0.0099	123	-0.1281
19	-0.0151	70	-0.0271	124	-0.0451
20	-0.0031	71	-0.0761	125	-0.0331
21	-0.0011	72	-0.1381	126	-0.0121
22	-0.0001	73	-0.2661	127	-0.0231
23	-0.0051	74	-0.3381	128	-0.1341
24	-0.0121	75	0.1099	129	-0.0491
25	-0.0341	76	0.0609	135	0.0129
26	-0.0511	77	0.0079	136	0.0069
27	-0.0951	78	-0.0391	137	0.0079
28	-0.2041	79	-0.0941	138	0.0899
29	-0.1821	80	-0.1621	139	0.0919
30	0.0689	81	-0.3151	140	0.0919
32	0.0439	82	-0.3041	141	0.1029
33	0.0389	83	0.0769	142	0.1049
34	0.0269	84	0.0149	143	0.1039
35	0.0169	85	-0.0361	145	0.0049
36	0.0049	86	-0.0901	147	0.1019
37	-0.0141	87	-0.1451	151	-0.0101
38	-0.0281	88	-0.2541	152	-0.1451
39	-0.0591	89	-0.2781	153	-0.2161
40	-0.1051	90	-0.0021	154	-0.2441
41	-0.2021	91	-0.0671	155	0.1979
42	-0.1961	92	-0.1061	156	0.0979
43	0.1259	93	-0.1441	157	-0.0621
44	0.0979	94	-0.2081	158	0.4219
45	0.0739	95	-0.2231	159	0.2729
46	0.0509	96	-0.3711	160	0.2079
47	0.0349	97	-0.3821	161	0.0649
48	0.0139	98	-0.0631	162	0.3399
49	-0.0071	99	-0.1081	163	0.2799
50	-0.0371	100	-0.2661	164	0.0889
51	-0.0811	101	-0.1791	165	-0.0021

ORF	CP	ORF	CP	ORF	CP
166	0.3559	217	-0.1051	268	-0.0781
167	0.2989	218	-0.0701	269	0.1909
168	0.2169	219	-0.0591	270	0.2829
169	0.0499	220	-0.1051	271	-0.1581
170	0.3289	221	-0.4791	272	-0.1831
171	0.1849	222	-0.3091	273	0.1769
172	-0.0711	223	-0.0291	274	0.2279
173	0.0869	224	-0.0061	275	0.3189
174	-0.0181	225	0.2049	276	0.2419
175	-0.1781	226	0.0119	277	0.0609
176	-0.2461	227	-0.7091	278	-0.6601
177	-0.2271	228	-0.6621	279	-0.6671
178	-0.3811	229	-0.5821	280	-0.5691
179	-0.2491	230	-0.3211	281	-0.2591
180	-0.2081	231	-0.1261	282	-0.0461
181	0.3069	232	-0.0741	283	-0.0281
182	0.4489	233	-0.0581	284	-0.0091
183	0.4149	234	-0.0701	285	-0.0531
184	0.5949	235	-0.2121	286	-0.1721
185	0.6819	236	-0.1491	287	-0.2281
186	0.7769	237	0.0039	288	0.1459
187	0.8629	238	0.0409	289	0.2319
188	0.9399	239	0.2289	290	0.2029
189	0.9739	240	0.1029	291	-0.4691
190	-0.1771	241	-0.6911	292	-0.0761
191	-0.1711	242	-0.6421	325	0.0089
192	-0.1931	244	-0.2601	326	0.0119
193	-0.1931	245	-0.1031	327	0.0079
194	-0.1761	246	-0.0661	328	0.0119
195	-0.1791	247	-0.0391	329	0.0089
196	-0.1841	248	-0.0301	330	0.0109
197	-0.1861	249	-0.0161	331	0.0109
198	-0.1791	250	0.0149	332	0.0069
199	-0.1861	251	-0.1661	333	0.0099
200	-0.1781	252	-0.0401	334	0.0089
201	-0.1711	253	0.1909	335	0.0099
202	-0.1731	254	0.0139	336	0.0089
203	-0.1691	255	-0.6201	337	0.0079
204	-0.1731	256	-0.5911	338	0.0109
205	0.1789	257	-0.5311	339	0.0089
206	0.2119	258	-0.2941	340	0.0119
207	0.2079	259	-0.0881	341	0.0099
208	0.2129	260	-0.0511	350	-0.0141
210	0.3459	261	-0.0311	351	0.0159
211	0.2479	262	-0.0191	352	0.0169
212	0.0459	263	-0.1311	353	0.0119
213	-0.8641	264	-0.0361	354	0.0139
214	-0.7301	265	0.1769	355	0.0129
215	-0.6631	266	0.2309		
216	-0.3181	267	-0.1431		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 463
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 10.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.695
TUNNEL DYNAMIC PRESSURE(PSF) = 542.
TUNNEL STAGNATION PRESSURE(PSF) = 2212.
TUNNEL STATIC PRESSURE(PSF) = 1601.
REYNOLDS NUMBER PER FOOT = 3.9880E 06
MODEL ANGLE OF ATTACK(DEG) = 0.11
FIN ANGLE(DEG) = -0.06
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANVALUE	CP(REF)
147	0.0171
247	0.0171
347	0.0181
447	0.0191
547	0.0101
647	0.0091
747	0.0081

ORF	CP	ORF	CP	ORF	CP
1	-0.0629	52	-0.1809	102	-0.1689
2	-0.3679	53	-0.3679	103	-0.5129
3	-0.3069	54	-0.2809	104	-0.4899
4	-0.2009	55	0.0391	105	-0.3079
5	-0.1219	56	0.0171	110	-0.1089
6	-0.0839	57	-0.0059	111	-0.1259
7	-0.0769	58	-0.0249	112	-0.0909
8	-0.0669	59	-0.0459	113	-0.1299
9	-0.0639	60	-0.0739	114	-0.1389
10	-0.0639	61	-0.1089	115	-0.0569
11	-0.0749	62	-0.1599	116	-0.0009
12	-0.0819	63	-0.2479	117	0.0061
13	-0.1149	64	-0.4529	118	0.0101
14	-0.2199	65	-0.4199	119	-0.0289
15	-0.1979	66	0.0271	120	-0.0109
16	-0.1149	67	0.0011	121	-0.0299
17	-0.1209	68	-0.0289	122	-0.0279
18	-0.0929	69	-0.0569	123	-0.1389
19	-0.0759	70	-0.0879	124	-0.0599
20	-0.0609	71	-0.1309	125	-0.0509
21	-0.0559	72	-0.1909	126	-0.0289
22	-0.0529	73	-0.3139	127	-0.0359
23	-0.0589	74	-0.3669	128	-0.1399
24	-0.0669	75	0.0131	129	-0.0669
25	-0.0689	76	-0.0229	135	-0.0079
26	-0.0909	77	-0.0669	136	-0.0119
27	-0.1319	78	-0.1019	137	-0.0069
28	-0.2379	79	-0.1469	138	0.0731
29	-0.2059	80	-0.2079	139	0.0681
30	-0.0229	81	-0.3439	140	0.0691
32	-0.0359	82	-0.3279	141	0.0821
33	-0.0339	83	-0.0089	142	0.0791
34	-0.0329	84	-0.0539	143	0.0761
35	-0.0359	85	-0.0949	145	-0.0159
36	-0.0449	86	-0.1359	147	0.0791
37	-0.0599	87	-0.1909	151	-0.0039
38	-0.0759	88	-0.2889	152	-0.1689
39	-0.1029	89	-0.3069	153	-0.2099
40	-0.1459	90	-0.0669	154	-0.2609
41	-0.2449	91	-0.1019	155	0.1731
42	-0.2169	92	-0.1309	156	0.1171
43	0.0241	93	-0.1629	157	-0.0599
44	0.0081	94	-0.2369	158	0.3901
45	-0.0059	95	-0.2509	159	0.2841
46	-0.0159	96	-0.3279	160	0.2071
47	-0.0319	97	-0.4019	161	0.0601
48	-0.0439	98	-0.0299	162	0.3491
49	-0.0679	99	-0.0749	163	0.3081
50	-0.0889	100	-0.2689	164	0.0701
51	-0.1259	101	-0.1929	165	-0.0059

ORF	CP	ORF	CP	ORF	CP
166	0.4111	217	-0.1289	268	-0.1149
167	0.3051	218	-0.1089	269	0.1541
168	0.2351	219	-0.1009	270	0.2251
169	0.0671	220	-0.1409	271	-0.1839
170	0.3691	221	-0.5059	272	-0.2109
171	0.1731	222	-0.3269	273	0.1041
172	-0.0839	223	-0.0649	274	0.1861
173	0.0281	224	-0.0549	275	0.2621
174	-0.0469	225	0.1461	276	0.2221
175	-0.2409	226	-0.0269	277	0.0171
176	-0.2479	227	-0.6979	278	-0.8019
177	-0.2209	228	-0.6369	279	-0.8029
178	-0.4219	229	-0.5339	280	-0.6989
179	-0.3459	230	-0.2869	281	-0.3929
180	-0.2129	231	-0.1489	282	-0.1329
181	0.3011	232	-0.1119	283	-0.0979
182	0.4431	233	-0.0989	284	-0.0689
183	0.4421	234	-0.1109	285	-0.1049
184	0.6201	235	-0.2449	286	-0.1869
185	0.6851	236	-0.1809	287	-0.2529
186	0.7421	237	-0.0379	288	0.0921
187	0.8151	238	-0.0009	289	0.2071
188	0.8561	239	0.1471	290	0.1881
189	0.8981	240	0.0301	291	-0.5069
190	-0.1849	241	-0.6869	292	-0.0709
191	-0.1839	242	-0.6199	325	0.0001
192	-0.1929	244	-0.2519	326	0.0021
193	-0.1959	245	-0.1419	327	0.0011
194	-0.1829	246	-0.1149	328	0.0041
195	-0.1869	247	-0.0949	329	0.0031
196	-0.2139	248	-0.0719	330	0.0011
197	-0.1929	249	-0.0599	331	0.0011
198	-0.1929	250	-0.0059	332	-0.0009
199	-0.1999	251	-0.1819	333	0.0031
200	-0.1809	252	-0.0539	334	0.0021
201	-0.1829	253	0.1631	335	0.0021
202	-0.1809	254	-0.0159	336	0.0021
203	-0.1769	255	-0.7409	337	0.0011
204	-0.1869	256	-0.7089	338	0.0021
205	0.1501	257	-0.6439	339	0.0011
206	0.1721	258	-0.4139	340	0.0031
207	0.1761	259	-0.1459	341	0.0041
208	0.1741	260	-0.1029	350	-0.0229
210	0.2351	261	-0.0829	351	-0.0089
211	0.1871	262	-0.0639	352	-0.0099
212	0.0121	263	-0.1709	353	-0.0029
213	-0.8329	264	-0.0669	354	-0.0089
214	-0.6239	265	0.1621	355	-0.0069
215	-0.5139	266	0.2021		
216	-0.2429	267	-0.1799		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 464
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 10.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.699
TUNNEL DYNAMIC PRESSURE(PSF) = 546.
TUNNEL STAGNATION PRESSURE(PSF) = 2212.
TUNNEL STATIC PRESSURE(PSF) = 1596.
REYNOLDS NUMBER PER FOOT = 4.0010E 06
MODEL ANGLE OF ATTACK(DEG) = 2.06
FIN ANGLE(DEG) = 0.09
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE	CP(REF)
147	0.0289
247	0.0269
347	0.0279
447	0.0289
547	0.0279
647	0.0289
747	0.0279

ORF	CP	ORF	CP	ORF	CP
1	-0.0811	52	-0.2031	102	-0.1681
2	-0.3541	53	-0.3481	103	-0.5191
3	-0.3021	54	-0.2871	104	-0.4981
4	-0.2051	55	-0.0591	105	-0.3211
5	-0.1491	56	-0.0591	110	-0.0931
6	-0.1211	57	-0.0681	111	-0.1121
7	-0.1101	58	-0.0831	112	-0.0781
8	-0.0981	59	-0.0971	113	-0.1201
9	-0.0991	60	-0.1171	114	-0.1241
10	-0.1021	61	-0.1481	115	-0.0381
11	-0.0971	62	-0.1861	116	0.0219
12	-0.1141	63	-0.2671	117	0.0299
13	-0.1271	64	-0.4551	118	0.0299
14	-0.2281	65	-0.4201	119	-0.0121
15	-0.1991	66	-0.0691	120	0.0159
16	-0.1461	67	-0.0771	121	-0.0101
17	-0.1581	68	-0.0901	122	-0.0131
18	-0.1411	69	-0.1101	123	-0.1251
19	-0.1201	70	-0.1341	124	-0.0371
20	-0.1031	71	-0.1601	125	-0.0341
21	-0.0951	72	-0.2211	126	-0.0121
22	-0.0901	73	-0.3291	127	-0.0201
23	-0.0941	74	-0.3711	128	-0.1131
24	-0.0951	75	-0.0821	129	-0.0481
25	-0.1051	76	-0.0881	135	0.0069
26	-0.1221	77	-0.1151	136	0.0049
27	-0.1551	78	-0.1431	137	0.0069
28	-0.2341	79	-0.1791	138	0.0889
29	-0.2091	80	-0.2311	139	0.0879
30	-0.0991	81	-0.3661	140	0.0819
32	-0.0911	82	-0.3361	141	0.0959
33	-0.0881	83	-0.0771	142	0.0979
34	-0.0871	84	-0.1231	143	0.0969
35	-0.0871	85	-0.1341	145	0.0049
36	-0.0911	86	-0.1621	147	0.0949
37	-0.0991	87	-0.2081	151	0.0149
38	-0.1061	88	-0.3061	152	-0.1611
39	-0.1291	89	-0.3151	153	-0.1751
40	-0.1651	90	-0.1141	154	-0.2251
41	-0.2421	91	-0.1321	155	0.1119
42	-0.2091	92	-0.1521	156	0.0999
43	-0.0691	93	-0.1821	157	-0.0591
44	-0.0751	94	-0.2491	158	0.2869
45	-0.0721	95	-0.2511	159	0.2189
46	-0.0781	96	-0.2001	160	0.1369
47	-0.0821	97	-0.3531	161	0.0179
48	-0.0921	98	0.0089	162	0.2749
49	-0.1131	99	-0.0451	163	0.2199
50	-0.1221	100	-0.2801	164	0.0849
51	-0.1571	101	-0.2071	165	-0.0311

ORF	CP	ORF	CP	ORF	CP
166	0.3639	217	-0.1191	268	-0.1041
167	0.2189	218	-0.1031	269	0.1429
168	0.1649	219	-0.1021	270	0.1999
169	0.0309	220	-0.1421	271	-0.1911
170	0.3369	221	-0.4501	272	-0.1861
171	0.1019	222	-0.2911	273	0.1319
172	-0.0961	223	-0.0491	274	0.1869
173	0.0129	224	-0.0491	275	0.2369
174	-0.0581	225	0.1379	276	0.1859
175	-0.2051	226	-0.0231	277	-0.0041
176	-0.2251	227	-0.6771	278	-0.7601
177	-0.1901	228	-0.6041	279	-0.7471
178	-0.3471	229	-0.4921	280	-0.6151
179	-0.2751	230	-0.2691	281	-0.3241
180	-0.1871	231	-0.1401	282	-0.1541
181	0.2299	232	-0.1131	283	-0.1251
182	0.3719	233	-0.0971	284	-0.0961
183	0.3699	234	-0.1151	285	-0.1141
184	0.4829	235	-0.2301	286	-0.1991
185	0.5229	236	-0.1691	287	-0.2401
186	0.5379	237	-0.0331	288	0.1239
187	0.5579	238	0.0079	289	0.1889
188	0.5939	239	0.1359	290	0.1789
189	0.6429	240	0.0239	291	-0.5721
190	-0.1721	241	-0.6911	292	-0.0281
191	-0.1741	242	-0.6201	325	0.0239
192	-0.1841	244	-0.2631	326	0.0229
193	-0.1861	245	-0.1531	327	0.0229
194	-0.1711	246	-0.1191	328	0.0229
195	-0.1661	247	-0.1021	329	0.0229
196	-0.2071	248	-0.0791	330	0.0229
197	-0.1811	249	-0.0571	331	0.0199
198	-0.1781	250	0.0219	332	0.0219
199	-0.1771	251	-0.1641	333	0.0209
200	-0.1781	252	-0.0541	334	0.0209
201	-0.1701	253	0.1739	335	0.0219
202	-0.1711	254	-0.0061	336	0.0249
203	-0.1721	255	-0.7621	337	0.0229
204	-0.1651	256	-0.7171	338	0.0219
205	0.1469	257	-0.6401	339	0.0219
206	0.1779	258	-0.3821	340	0.0229
207	0.1699	259	-0.1581	341	0.0229
208	0.1659	260	-0.1161	350	-0.0091
210	0.1789	261	-0.0931	351	0.0229
211	0.1689	262	-0.0741	352	0.0189
212	0.0149	263	-0.1751	353	0.0209
213	-0.7261	264	-0.0561	354	0.0219
214	-0.5221	265	0.1479	355	0.0209
215	-0.4061	266	0.1779		
216	-0.2041	267	-0.1791		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 465

TUNNEL = 11

TEST NO. = 086

TEST PHASE = 2

RUN NUMBER = 10.

CONFIGURATION NO. = 3.

ANGLE OF MODEL ROLL(DEG) = 0.

MACH NUMBER = 0.701

TUNNEL DYNAMIC PRESSURE(PSF) = 548.

TUNNEL STAGNATION PRESSURE(PSF) = 2212.

TUNNEL STATIC PRESSURE(PSF) = 1593.

REYNOLDS NUMBER PER FOOT = 4.0090E 06

MODEL ANGLE OF ATTACK(DEG) = 3.98

FIN ANGLE(DEG) = -0.02

FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE CP(REF)

147 0.0311

247 0.0281

347 0.0301

447 0.0321

547 0.0441

647 0.0451

747 0.0451

ORF	CP	ORF	CP	ORF	CP
1	-0.1329	52	-0.2199	102	-0.1809
2	-0.3439	53	-0.3369	103	-0.5169
3	-0.2999	54	-0.2799	104	-0.5099
4	-0.2159	55	-0.3669	105	-0.3339
5	-0.1739	56	-0.1509	110	-0.0679
6	-0.1599	57	-0.1159	111	-0.0989
7	-0.1439	58	-0.1349	112	-0.0599
8	-0.1349	59	-0.1449	113	-0.1099
9	-0.1329	60	-0.1499	114	-0.1129
10	-0.1319	61	-0.1779	115	-0.0189
11	-0.1299	62	-0.2139	116	0.0441
12	-0.1379	63	-0.2809	117	0.0531
13	-0.1609	64	-0.4479	118	0.0551
14	-0.2289	65	-0.4289	119	-0.0029
15	-0.2109	66	-0.4539	120	0.0331
16	-0.1969	67	-0.1889	121	-0.0009
17	-0.1929	68	-0.1299	122	0.0071
18	-0.1769	69	-0.1409	123	-0.0809
19	-0.1639	70	-0.1679	124	-0.0259
20	-0.1539	71	-0.1939	125	-0.0169
21	-0.1459	72	-0.2409	126	0.0011
22	-0.1389	73	-0.3369	127	-0.0109
23	-0.1339	74	-0.3759	128	-0.0919
24	-0.1349	75	-0.4799	129	-0.0319
25	-0.1479	76	-0.2389	135	0.0231
26	-0.1539	77	-0.1579	136	0.0161
27	-0.1769	78	-0.1689	137	0.0191
28	-0.2369	79	-0.1929	138	0.1021
29	-0.2149	80	-0.2459	139	0.1041
30	-0.1929	81	-0.3729	140	0.1001
32	-0.1409	82	-0.3439	141	0.1171
33	-0.1389	83	-0.4049	142	0.1161
34	-0.1429	84	-0.2419	143	0.1151
35	-0.1339	85	-0.1619	145	0.0121
36	-0.1309	86	-0.1729	147	0.1141
37	-0.1379	87	-0.2089	151	-0.0019
38	-0.1479	88	-0.3049	152	-0.1539
39	-0.1629	89	-0.3119	153	-0.1599
40	-0.1889	90	-0.4269	154	-0.2019
41	-0.2389	91	-0.2549	155	0.0601
42	-0.2119	92	-0.1649	156	0.0651
43	-0.2669	93	-0.1869	157	-0.0739
44	-0.1489	94	-0.2519	158	0.1931
45	-0.1309	95	-0.2519	159	0.1321
46	-0.1269	96	-0.1299	160	0.0671
47	-0.1219	97	-0.3389	161	-0.0339
48	-0.1359	98	0.0401	162	0.1891
49	-0.1439	99	-0.0099	163	0.1431
50	-0.1559	100	-0.2639	164	0.1001
51	-0.1809	101	-0.2129	165	-0.0579

ORF	CP	ORF	CP	ORF	CP
166	0.2911	217	-0.1199	268	-0.0999
167	0.1871	218	-0.1029	269	0.1051
168	0.1401	219	-0.0989	270	0.1511
169	0.0241	220	-0.1359	271	-0.1859
170	0.2741	221	-0.4129	272	-0.1689
171	0.0881	222	-0.2939	273	0.1221
172	-0.0879	223	-0.0389	274	0.1521
173	0.0051	224	-0.0259	275	0.1871
174	-0.0829	225	0.1291	276	0.1251
175	-0.1819	226	-0.0299	277	-0.0489
176	-0.2079	227	-0.6749	278	-0.6819
177	-0.1959	228	-0.5949	279	-0.6559
178	-0.3109	229	-0.4989	280	-0.5449
179	-0.2089	230	-0.2529	281	-0.2969
180	-0.1889	231	-0.1429	282	-0.1649
181	0.1811	232	-0.1109	283	-0.1439
182	0.2891	233	-0.1059	284	-0.1119
183	0.2841	234	-0.1159	285	-0.1239
184	0.3811	235	-0.2159	286	-0.1849
185	0.4191	236	-0.1539	287	-0.2069
186	0.4501	237	-0.0239	288	0.1101
187	0.5111	238	0.0221	289	0.1621
188	0.6041	239	0.1341	290	0.1431
189	0.6591	240	0.0181	291	-0.6449
190	-0.1679	241	-0.7009	292	0.0181
191	-0.1639	242	-0.6309	325	0.0231
192	-0.1689	244	-0.2639	326	0.0241
193	-0.1709	245	-0.1679	327	0.0241
194	-0.1659	246	-0.1309	328	0.0221
195	-0.1719	247	-0.1079	329	0.0251
196	-0.1719	248	-0.0869	330	0.0261
197	-0.1709	249	-0.0579	331	0.0221
198	-0.1699	250	0.0421	332	0.0231
199	-0.1679	251	-0.1489	333	0.0211
200	-0.1769	252	-0.0639	334	0.0221
201	-0.1559	253	0.1501	335	0.0251
202	-0.1639	254	-0.0279	336	0.0251
203	-0.1659	255	-0.7629	337	0.0241
204	-0.1649	256	-0.6699	338	0.0241
205	0.1401	257	-0.5939	339	0.0251
206	0.1611	258	-0.3379	340	0.0231
207	0.1561	259	-0.1719	341	0.0261
208	0.1501	260	-0.1359	350	-0.0049
210	0.1481	261	-0.1099	351	0.0371
211	0.1531	262	-0.0869	352	0.0361
212	0.0081	263	-0.1679	353	0.0361
213	-0.6939	264	-0.0619	354	0.0401
214	-0.4769	265	0.1131	355	0.0361
215	-0.3839	266	0.1421		
216	-0.1879	267	-0.1769		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 466
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 10.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.702
TUNNEL DYNAMIC PRESSURE(PSF) = 549.
TUNNEL STAGNATION PRESSURE(PSF) = 2213.
TUNNEL STATIC PRESSURE(PSF) = 1593.
REYNOLDS NUMBER PER FOOT = 4.0110E 06
MODEL ANGLE OF ATTACK(DEG) = 5.98
FIN ANGLE(DEG) = -0.14
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE	CP(REF)
147	0.0334
247	0.0314
347	0.0324
447	0.0334
547	0.0444
647	0.0434
747	0.0444

ORF	CP	ORF	CP	ORF	CP
1	-0.2166	52	-0.2416	102	-0.2036
2	-0.3736	53	-0.3476	103	-0.5346
3	-0.3216	54	-0.2926	104	-0.5226
4	-0.2516	55	-0.6406	105	-0.3426
5	-0.2146	56	-0.4876	110	-0.0756
6	-0.1936	57	-0.2516	111	-0.1006
7	-0.1856	58	-0.1866	112	-0.0566
8	-0.1716	59	-0.1766	113	-0.1266
9	-0.1716	60	-0.1796	114	-0.1286
10	-0.1716	61	-0.1976	115	-0.0216
11	-0.1686	62	-0.2286	116	0.0534
12	-0.1716	63	-0.2966	117	0.0544
13	-0.1826	64	-0.4506	118	0.0604
14	-0.2436	65	-0.4346	119	-0.0126
15	-0.2346	66	-0.6286	120	0.0234
16	-0.2906	67	-0.5576	121	-0.0156
17	-0.2526	68	-0.3766	122	-0.0186
18	-0.2306	69	-0.2186	123	-0.0796
19	-0.2146	70	-0.1906	124	-0.0496
20	-0.1966	71	-0.2096	125	-0.0286
21	-0.1896	72	-0.2506	126	-0.0086
22	-0.1836	73	-0.3406	127	-0.0226
23	-0.1796	74	-0.3866	128	-0.0916
24	-0.1736	75	-0.5946	129	-0.0336
25	-0.1766	76	-0.5956	135	0.0114
26	-0.1906	77	-0.4486	136	-0.0016
27	-0.2066	78	-0.3026	137	0.0074
28	-0.2536	79	-0.2326	138	0.0904
29	-0.2376	80	-0.2456	139	0.0924
30	-0.4036	81	-0.3366	140	0.0904
32	-0.1956	82	-0.3316	141	0.1074
33	-0.1826	83	-0.5046	142	0.1074
34	-0.1806	84	-0.5596	143	0.1044
35	-0.1786	85	-0.4726	145	-0.0056
36	-0.1816	86	-0.3316	147	0.1044
37	-0.1786	87	-0.2586	151	-0.0356
38	-0.1856	88	-0.2866	152	-0.1576
39	-0.1996	89	-0.3006	153	-0.1736
40	-0.2186	90	-0.4976	154	-0.2096
41	-0.2536	91	-0.4906	155	0.0794
42	-0.2326	92	-0.4386	156	0.0014
43	-0.6156	93	-0.3256	157	-0.1096
44	-0.3366	94	-0.2976	158	0.1284
45	-0.1956	95	-0.2526	159	0.0734
46	-0.1636	96	-0.1106	160	0.0234
47	-0.1626	97	-0.3696	161	-0.0716
48	-0.1656	98	0.0734	162	0.1844
49	-0.1756	99	0.0304	163	0.1214
50	-0.1846	100	-0.2706	164	0.0924
51	-0.2046	101	-0.2386	165	-0.0626

ORF	CP	ORF	CP	ORF	CP
166	0.3164	217	-0.1486	268	-0.1226
167	0.2064	218	-0.1296	269	0.0564
168	0.1734	219	-0.1306	270	0.0894
169	0.0424	220	-0.1666	271	-0.2186
170	0.2774	221	-0.4166	272	-0.1796
171	0.1074	222	-0.3006	273	0.0774
172	-0.0786	223	-0.0496	274	0.1074
173	0.0054	224	-0.0536	275	0.1244
174	-0.0696	225	0.1004	276	0.0384
175	-0.1816	226	-0.0536	277	-0.1126
176	-0.2096	227	-0.6996	278	-0.6656
177	-0.2196	228	-0.6046	279	-0.6316
178	-0.2696	229	-0.5006	280	-0.5176
179	-0.1556	230	-0.2726	281	-0.3136
180	-0.2006	231	-0.1696	282	-0.2056
181	0.0884	232	-0.1476	283	-0.1866
182	0.2024	233	-0.1376	284	-0.1546
183	0.2464	234	-0.1406	285	-0.1596
184	0.3604	235	-0.2306	286	-0.2256
185	0.4134	236	-0.1716	287	-0.2196
186	0.4784	237	-0.0446	288	0.0814
187	0.5834	238	0.0044	289	0.1514
188	0.7184	239	0.0994	290	0.0904
189	0.8214	240	-0.0116	291	-0.6466
190	-0.1556	241	-0.7426	292	0.0534
191	-0.1706	242	-0.6636	325	0.0234
192	-0.1636	244	-0.3016	326	0.0234
193	-0.1766	245	-0.1986	327	0.0224
194	-0.1696	246	-0.1676	328	0.0224
195	-0.1826	247	-0.1476	329	0.0204
196	-0.1836	248	-0.1086	330	0.0224
197	-0.1656	249	-0.0816	331	0.0224
198	-0.1746	250	0.0334	332	0.0214
199	-0.1646	251	-0.1586	333	0.0214
200	-0.1826	252	-0.0966	334	0.0194
201	-0.1646	253	0.0674	335	0.0214
202	-0.1656	254	-0.0786	336	0.0224
203	-0.1666	255	-0.7566	337	0.0244
204	-0.1766	256	-0.6576	338	0.0214
205	0.1064	257	-0.5456	339	0.0214
206	0.1384	258	-0.3366	340	0.0224
207	0.1174	259	-0.2206	341	0.0214
208	0.1124	260	-0.1836	350	-0.0186
210	0.1024	261	-0.1536	351	0.0314
211	0.1124	262	-0.1296	352	0.0324
212	-0.0206	263	-0.1966	353	0.0344
213	-0.6476	264	-0.0936	354	0.0364
214	-0.4446	265	0.0584	355	0.0334
215	-0.3536	266	0.0894		
216	-0.2076	267	-0.2096		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 467
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 10.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.700
TUNNEL DYNAMIC PRESSURE(PSF) = 547.
TUNNEL STAGNATION PRESSURE(PSF) = 2212.
TUNNEL STATIC PRESSURE(PSF) = 1594.
REYNOLDS NUMBER PER FOOT = 4.0070E 06
MODEL ANGLE OF ATTACK(DEG) = 7.95
FIN ANGLE(DEG) = -0.20
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE	CP(REF)
147	0.0289
247	0.0279
347	0.0289
447	0.0289
547	0.0259
647	0.0259
747	0.0269

ORF	CP	ORF	CP	ORF	CP
1	-0.3131	52	-0.2701	102	-0.2411
2	-0.4511	53	-0.3641	103	-0.5631
3	-0.3561	54	-0.3181	104	-0.5671
4	-0.2801	55	-0.7841	105	-0.3781
5	-0.2481	56	-0.7511	110	-0.0821
6	-0.2271	57	-0.4811	111	-0.1121
7	-0.2191	58	-0.2911	112	-0.0771
8	-0.2111	59	-0.2111	113	-0.1471
9	-0.1971	60	-0.1961	114	-0.1671
10	-0.1981	61	-0.2081	115	-0.0371
11	-0.2011	62	-0.2391	116	0.0469
12	-0.2011	63	-0.3041	117	0.0459
13	-0.2161	64	-0.4741	118	0.0439
14	-0.2831	65	-0.4601	119	-0.0481
15	-0.2641	66	-0.7331	120	0.0059
16	-0.3851	67	-0.7451	121	-0.0391
17	-0.3181	68	-0.6611	122	-0.0381
18	-0.2821	69	-0.4801	123	-0.1741
19	-0.2661	70	-0.3251	124	-0.0821
20	-0.2421	71	-0.2421	125	-0.0641
21	-0.2271	72	-0.2481	126	-0.0581
22	-0.2211	73	-0.3321	127	-0.0571
23	-0.2121	74	-0.3981	128	-0.1091
24	-0.2101	75	-0.6771	129	-0.0471
25	-0.2081	76	-0.7061	135	-0.0061
26	-0.2191	77	-0.6871	136	-0.0291
27	-0.2411	78	-0.5991	137	-0.0141
28	-0.2871	79	-0.4651	138	0.0689
29	-0.2681	80	-0.3511	139	0.0679
30	-0.5561	81	-0.3441	140	0.0719
32	-0.2501	82	-0.3461	141	0.0919
33	-0.2331	83	-0.5791	142	0.0779
34	-0.2261	84	-0.6591	143	0.0899
35	-0.2231	85	-0.6501	145	-0.0361
36	-0.2181	86	-0.5771	147	0.0769
37	-0.2221	87	-0.4861	151	-0.0641
38	-0.2241	88	-0.4081	152	-0.1511
39	-0.2291	89	-0.3491	153	-0.1891
40	-0.2421	90	-0.5481	154	-0.2131
41	-0.2821	91	-0.5241	155	0.0459
42	-0.2651	92	-0.5201	156	-0.0551
43	-0.8021	93	-0.5091	157	-0.1311
44	-0.5471	94	-0.4561	158	0.1159
45	-0.2761	95	-0.3401	159	0.0299
46	-0.1981	96	-0.1461	160	-0.0201
47	-0.1941	97	-0.4391	161	-0.0921
48	-0.1991	98	0.0929	162	0.2099
49	-0.2121	99	0.0429	163	0.1179
50	-0.2251	100	-0.2851	164	0.0659
51	-0.2351	101	-0.2721	165	-0.0731

ORF	CP	ORF	CP	ORF	CP
166	0.3769	217	-0.1941	268	-0.1531
167	0.2369	218	-0.1771	269	0.0019
168	0.2039	219	-0.1751	270	0.0329
169	0.0719	220	-0.2031	271	-0.2631
170	0.3419	221	-0.4471	272	-0.2181
171	0.1099	222	-0.3491	273	0.0439
172	-0.0821	223	-0.0841	274	0.0729
173	-0.0001	224	-0.0721	275	0.0779
174	-0.1391	225	0.0849	276	-0.0271
175	-0.1811	226	-0.0891	277	-0.1791
176	-0.2271	227	-0.7771	278	-0.7271
177	-0.2331	228	-0.6821	279	-0.6701
178	-0.2091	229	-0.5841	280	-0.5591
179	-0.1211	230	-0.3421	281	-0.3621
180	-0.2011	231	-0.2151	282	-0.2501
181	-0.0001	232	-0.1821	283	-0.2321
182	0.1169	233	-0.1761	284	-0.1981
183	0.2739	234	-0.1751	285	-0.2041
184	0.3959	235	-0.2681	286	-0.2711
185	0.4849	236	-0.1901	287	-0.2551
186	0.5639	237	-0.0551	288	0.0519
187	0.6899	238	-0.0161	289	0.1589
188	0.8189	239	0.0639	290	0.0179
189	0.8949	240	-0.0501	291	-0.6571
190	-0.1701	241	-0.7931	292	0.0719
191	-0.1891	242	-0.7201	325	0.0229
192	-0.1811	244	-0.3651	326	0.0199
193	-0.1781	245	-0.2521	327	0.0199
194	-0.1791	246	-0.2101	328	0.0189
195	-0.1821	247	-0.1941	329	0.0169
196	-0.1821	248	-0.1611	330	0.0179
197	-0.1711	249	-0.1231	331	0.0209
198	-0.1811	250	0.0169	332	0.0199
199	-0.1841	251	-0.1721	333	0.0189
200	-0.1961	252	-0.1201	334	0.0159
201	-0.1861	253	-0.0001	335	0.0169
202	-0.1671	254	-0.1531	336	0.0229
203	-0.1851	255	-0.7931	337	0.0239
204	-0.1881	256	-0.6821	338	0.0209
205	0.0439	257	-0.5501	339	0.0219
206	0.0859	258	-0.3701	340	0.0199
207	0.0379	259	-0.2731	341	0.0179
208	0.0189	260	-0.2431	350	-0.0471
210	0.0649	261	-0.2101	351	0.0189
211	0.0859	262	-0.1871	352	0.0149
212	-0.0591	263	-0.2481	353	0.0169
213	-0.7171	264	-0.1381	354	0.0159
214	-0.5231	265	0.0009	355	0.0189
215	-0.4201	266	0.0219		
216	-0.2561	267	-0.2531		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 468
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 10.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.703
TUNNEL DYNAMIC PRESSURE(PSF) = 550.
TUNNEL STAGNATION PRESSURE(PSF) = 2213.
TUNNEL STATIC PRESSURE(PSF) = 1591.
REYNOLDS NUMBER PER FOOT = 4.0170E 06
MODEL ANGLE OF ATTACK(DEG) = 11.97
FIN ANGLE(DEG) = -0.21
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE	CP(REF)
147	0.0343
247	0.0343
347	0.0353
447	0.0363
547	0.0573
647	0.0563
747	0.0573

ORF	CP	ORF	CP	ORF	CP
1	-0.3157	52	-0.2967	102	-0.2447
2	-0.4747	53	-0.3517	103	-0.5367
3	-0.3917	54	-0.3247	104	-0.5277
4	-0.3217	55	-1.0527	105	-0.4217
5	-0.2887	56	-0.9367	110	-0.0207
6	-0.2717	57	-0.5137	111	-0.0627
7	-0.2527	58	-0.2867	112	-0.0237
8	-0.2487	59	-0.2457	113	-0.1197
9	-0.2417	60	-0.2547	114	-0.1847
10	-0.2357	61	-0.2687	115	0.0383
11	-0.2337	62	-0.2847	116	0.1193
12	-0.2287	63	-0.3347	117	0.1103
13	-0.2397	64	-0.4387	118	0.1073
14	-0.3067	65	-0.4307	119	-0.0087
15	-0.2867	66	-0.9487	120	0.0253
16	-0.3717	67	-1.0967	121	-0.0397
17	-0.3317	68	-1.0057	122	-0.0367
18	-0.3057	69	-0.6067	123	-0.1087
19	-0.2877	70	-0.3337	124	-0.0727
20	-0.2767	71	-0.2237	125	-0.0507
21	-0.2637	72	-0.2277	126	-0.0427
22	-0.2567	73	-0.3037	127	-0.0487
23	-0.2437	74	-0.3637	128	-0.0927
24	-0.2437	75	-0.8687	129	0.0063
25	-0.2357	76	-0.9507	135	0.0003
26	-0.2437	77	-1.0207	136	-0.0247
27	-0.2537	78	-0.9717	137	-0.0007
28	-0.2957	79	-0.7197	138	0.0843
29	-0.2857	80	-0.4787	139	0.0853
30	-0.4267	81	-0.2997	140	0.0863
32	-0.2987	82	-0.2747	141	0.1243
33	-0.2827	83	-0.7117	142	0.1153
34	-0.2737	84	-0.8297	143	0.1293
35	-0.2737	85	-0.8847	145	-0.0297
36	-0.2667	86	-0.8757	147	0.1073
37	-0.2607	87	-0.7987	151	-0.0977
38	-0.2527	88	-0.6227	152	-0.1557
39	-0.2597	89	-0.4487	153	-0.1787
40	-0.2727	90	-0.6337	154	-0.1927
41	-0.2907	91	-0.6137	155	-0.0147
42	-0.2777	92	-0.6157	156	-0.1007
43	-0.8437	93	-0.6317	157	-0.1467
44	-0.4657	94	-0.6077	158	0.1063
45	-0.3077	95	-0.4537	159	-0.0187
46	-0.2777	96	-0.2197	160	-0.0567
47	-0.2807	97	-0.3667	161	-0.1117
48	-0.2737	98	0.1253	162	0.1463
49	-0.2717	99	0.1073	163	0.0673
50	-0.2697	100	-0.2397	164	0.0853
51	-0.2847	101	-0.2857	165	-0.0787

ORF	CP	ORF	CP	ORF	CP
166	0.2643	217	-0.2187	268	-0.1417
167	0.1383	218	-0.1947	269	-0.0077
168	0.1003	219	-0.1787	270	0.0543
169	0.0033	220	-0.2027	271	-0.2587
170	0.1913	221	-0.4567	272	-0.1737
171	0.0203	222	-0.3857	273	0.0403
172	-0.1167	223	-0.0377	274	0.0713
173	-0.0337	224	-0.0187	275	0.0743
174	-0.1077	225	0.1203	276	-0.0407
175	-0.1867	226	-0.0727	277	-0.1827
176	-0.1917	227	-0.9197	278	-0.7397
177	-0.2427	228	-0.8387	279	-0.6897
178	-0.2537	229	-0.7037	280	-0.5927
179	-0.1807	230	-0.4397	281	-0.3627
180	-0.1867	231	-0.2477	282	-0.2597
181	-0.0237	232	-0.2027	283	-0.2497
182	0.0773	233	-0.1877	284	-0.2147
183	0.2543	234	-0.1767	285	-0.2187
184	0.4163	235	-0.2657	286	-0.2707
185	0.4823	236	-0.1647	287	-0.2197
186	0.5263	237	-0.0017	288	0.0433
187	0.5353	238	0.0453	289	0.1383
188	0.5323	239	0.0693	290	0.0003
189	0.5383	240	-0.0547	291	-0.5567
190	-0.1477	241	-0.8167	292	0.1663
191	-0.1907	242	-0.7837	325	0.0253
192	-0.1767	244	-0.4677	326	0.0273
193	-0.1707	245	-0.2767	327	0.0253
194	-0.1957	246	-0.2347	328	0.0253
195	-0.2027	247	-0.2147	329	0.0273
196	-0.1917	248	-0.1717	330	0.0243
197	-0.1677	249	-0.1247	331	0.0263
198	-0.1807	250	0.0423	332	0.0243
199	-0.1837	251	-0.1567	333	0.0243
200	-0.2127	252	-0.1217	334	0.0263
201	-0.1897	253	-0.0437	335	0.0223
202	-0.1647	254	-0.1887	336	0.0253
203	-0.1767	255	-0.7587	337	0.0263
204	-0.1957	256	-0.6917	338	0.0283
205	-0.0137	257	-0.5587	339	0.0263
206	0.0433	258	-0.3707	340	0.0253
207	-0.0167	259	-0.2857	341	0.0273
208	-0.0447	260	-0.2557	350	-0.0107
210	0.0593	261	-0.2247	351	0.0443
211	0.1363	262	-0.1917	352	0.0443
212	-0.0297	263	-0.2417	353	0.0443
213	-0.8667	264	-0.1377	354	0.0433
214	-0.6357	265	-0.0127	355	0.0463
215	-0.5057	266	0.0103		
216	-0.3047	267	-0.2527		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 469
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 10.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.702
TUNNEL DYNAMIC PRESSURE(PSF) = 549.
TUNNEL STAGNATION PRESSURE(PSF) = 2212.
TUNNEL STATIC PRESSURE(PSF) = 1592.
REYNOLDS NUMBER PER FOOT = 4.0130E 06
MODEL ANGLE OF ATTACK(DEG) = 14.15
FIN ANGLE(DEG) = -0.22
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE	CP(REF)
147	0.0332
247	0.0322
347	0.0332
447	0.0342
547	0.0282
647	0.0272
747	0.0272

ORF	CP	ORF	CP	ORF	CP
1	-0.3788	52	-0.3238	102	-0.2708
2	-0.5388	53	-0.3718	103	-0.5328
3	-0.4378	54	-0.3558	104	-0.5198
4	-0.3558	55	-1.0268	105	-0.3888
5	-0.3308	56	-0.8378	110	-0.0408
6	-0.3038	57	-0.5508	111	-0.0858
7	-0.2928	58	-0.3868	112	-0.0528
8	-0.2848	59	-0.3378	113	-0.1518
9	-0.2758	60	-0.3188	114	-0.2588
10	-0.2688	61	-0.3278	115	0.0372
11	-0.2598	62	-0.3398	116	0.1122
12	-0.2718	63	-0.3688	117	0.0852
13	-0.2828	64	-0.4408	118	0.0872
14	-0.3468	65	-0.4398	119	-0.0328
15	-0.3188	66	-1.0298	120	-0.0158
16	-0.4138	67	-1.1758	121	-0.0938
17	-0.3858	68	-0.9858	122	-0.0928
18	-0.3498	69	-0.6818	123	-0.2448
19	-0.3338	70	-0.4168	124	-0.1238
20	-0.3238	71	-0.3338	125	-0.1038
21	-0.2998	72	-0.3108	126	-0.1008
22	-0.2868	73	-0.3568	127	-0.0948
23	-0.2818	74	-0.3838	128	-0.1448
24	-0.2758	75	-0.9588	129	-0.0188
25	-0.2728	76	-1.0608	135	-0.0598
26	-0.2828	77	-1.1808	136	-0.0768
27	-0.2918	78	-1.0468	137	-0.0548
28	-0.3348	79	-0.6788	138	0.0372
29	-0.3218	80	-0.4138	139	0.0402
30	-0.5018	81	-0.2968	140	0.0432
32	-0.3428	82	-0.2908	141	0.0932
33	-0.3198	83	-0.7998	142	0.0812
34	-0.3118	84	-0.9388	143	0.0952
35	-0.3048	85	-1.0298	145	-0.0838
36	-0.2938	86	-1.0688	147	0.0802
37	-0.2908	87	-0.8818	151	-0.1348
38	-0.2898	88	-0.6168	152	-0.1798
39	-0.2868	89	-0.3858	153	-0.1978
40	-0.3048	90	-0.7198	154	-0.2028
41	-0.3308	91	-0.7118	155	-0.0428
42	-0.3088	92	-0.6948	156	-0.1188
43	-0.7278	93	-0.7228	157	-0.1548
44	-0.4838	94	-0.7298	158	0.0762
45	-0.3758	95	-0.5288	159	-0.0518
46	-0.3298	96	-0.2598	160	-0.0898
47	-0.3258	97	-0.3828	161	-0.1268
48	-0.3178	98	0.1102	162	0.1072
49	-0.3168	99	0.1112	163	0.0292
50	-0.3138	100	-0.2508	164	0.0342
51	-0.3208	101	-0.3218	165	-0.0878

ORF	CP	ORF	CP	ORF	CP
166	0.2242	217	-0.2958	268	-0.1978
167	0.1032	218	-0.2618	269	-0.0698
168	0.0642	219	-0.2388	270	0.0002
169	-0.0258	220	-0.2578	271	-0.3088
170	0.1392	221	-0.5218	272	-0.2138
171	0.0002	222	-0.4578	273	-0.0228
172	-0.1348	223	-0.0738	274	0.0092
173	-0.0578	224	-0.0508	275	0.0472
174	-0.1308	225	0.0772	276	-0.1128
175	-0.1938	226	-0.1248	277	-0.2508
176	-0.1918	227	-1.0468	278	-0.8118
177	-0.2758	228	-0.9538	279	-0.7818
178	-0.2938	229	-0.8518	280	-0.6498
179	-0.2138	230	-0.5558	281	-0.4278
180	-0.2028	231	-0.3208	282	-0.3248
181	-0.0288	232	-0.2728	283	-0.3118
182	0.0722	233	-0.2538	284	-0.2788
183	0.2182	234	-0.2258	285	-0.2748
184	0.3592	235	-0.3218	286	-0.3178
185	0.4072	236	-0.1988	287	-0.2638
186	0.3922	237	-0.0218	288	-0.0158
187	0.3902	238	0.0322	289	0.0792
188	0.3952	239	0.0082	290	-0.0578
189	0.4152	240	-0.1168	291	-0.5498
190	-0.1698	241	-0.8938	292	0.1642
191	-0.2248	242	-0.8568	325	0.0102
192	-0.1868	244	-0.5688	326	0.0112
193	-0.2008	245	-0.3528	327	0.0142
194	-0.2138	246	-0.3008	328	0.0102
195	-0.2138	247	-0.2758	329	0.0092
196	-0.2148	248	-0.2318	330	0.0092
197	-0.1808	249	-0.1748	331	0.0102
198	-0.2058	250	0.0092	332	0.0132
199	-0.2038	251	-0.1778	333	0.0092
200	-0.2348	252	-0.1738	334	0.0082
201	-0.2258	253	-0.1068	335	0.0092
202	-0.1798	254	-0.2668	336	0.0152
203	-0.2058	255	-0.8318	337	0.0112
204	-0.2268	256	-0.7518	338	0.0122
205	-0.0968	257	-0.6618	339	0.0132
206	-0.0308	258	-0.4548	340	0.0102
207	-0.0888	259	-0.3608	341	0.0092
208	-0.1258	260	-0.3188	350	-0.0348
210	0.0022	261	-0.2908	351	0.0072
211	0.0962	262	-0.2538	352	0.0062
212	-0.0738	263	-0.3028	353	0.0092
213	-1.0188	264	-0.1848	354	0.0092
214	-0.7608	265	-0.0688	355	0.0102
215	-0.6348	266	-0.0528		
216	-0.4028	267	-0.3118		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 470
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 10.
CONFIGURATION NO. = 3.
ANGLE OF MODEL ROLL(DEG) = 0.
MACH NUMBER = 0.702
TUNNEL DYNAMIC PRESSURE(PSF) = 550.
TUNNEL STAGNATION PRESSURE(PSF) = 2213.
TUNNEL STATIC PRESSURE(PSF) = 1592.
REYNOLDS NUMBER PER FOOT = 4.0170E 06
MODEL ANGLE OF ATTACK(DEG) = 0.10
FIN ANGLE(DEG) = -0.27
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE	CP(REF)
147	0.0365
247	0.0345
347	0.0355
447	0.0365
547	0.0475
647	0.0465
747	0.0465

ORF	CP	ORF	CP	ORF	CP
1	-0.0395	52	-0.1705	102	-0.1465
2	-0.3495	53	-0.3515	103	-0.4835
3	-0.2985	54	-0.2615	104	-0.4745
4	-0.1725	55	0.0565	105	-0.3005
5	-0.1065	56	0.0355	110	-0.0675
6	-0.0755	57	0.0155	111	-0.0935
7	-0.0555	58	-0.0075	112	-0.0545
8	-0.0505	59	-0.0385	113	-0.0965
9	-0.0455	60	-0.0625	114	-0.1005
10	-0.0535	61	-0.0965	115	-0.0195
11	-0.0575	62	-0.1435	116	0.0345
12	-0.0685	63	-0.2295	117	0.0485
13	-0.0975	64	-0.4305	118	0.0405
14	-0.2015	65	-0.4005	119	-0.0065
15	-0.1785	66	0.0435	120	0.0265
16	-0.0985	67	0.0155	121	0.0185
17	-0.0965	68	-0.0085	122	0.0235
18	-0.0745	69	-0.0365	123	-0.0915
19	-0.0585	70	-0.0725	124	-0.0365
20	-0.0425	71	-0.1125	125	-0.0225
21	-0.0345	72	-0.1735	126	-0.0105
22	-0.0365	73	-0.2895	127	-0.0155
23	-0.0395	74	-0.3475	128	-0.1055
24	-0.0465	75	0.0335	129	-0.0245
25	-0.0575	76	-0.0065	135	0.0315
26	-0.0805	77	-0.0475	136	0.0165
27	-0.1185	78	-0.0875	137	0.0325
28	-0.2195	79	-0.1285	138	0.1115
29	-0.1895	80	-0.1945	139	0.1045
30	-0.0105	81	-0.3345	140	0.1065
32	-0.0165	82	-0.3015	141	0.1185
33	-0.0125	83	0.0085	142	0.1145
34	-0.0185	84	-0.0425	143	0.1175
35	-0.0245	85	-0.0805	145	0.0175
36	-0.0325	86	-0.1185	147	0.1155
37	-0.0465	87	-0.1735	151	0.0165
38	-0.0585	88	-0.2775	152	-0.1575
39	-0.0845	89	-0.2835	153	-0.1935
40	-0.1235	90	-0.0545	154	-0.2415
41	-0.2215	91	-0.0855	155	0.1855
42	-0.1975	92	-0.1155	156	0.1265
43	0.0425	93	-0.1525	157	-0.0505
44	0.0205	94	-0.2185	158	0.4025
45	0.0095	95	-0.2315	159	0.2975
46	0.0025	96	-0.2945	160	0.2155
47	-0.0175	97	-0.3875	161	0.0715
48	-0.0355	98	-0.0135	162	0.3625
49	-0.0515	99	-0.0595	163	0.3175
50	-0.0735	100	-0.2545	164	0.1045
51	-0.1085	101	-0.1715	165	0.0095

ORF	CP	ORF	CP	ORF	CP
166	0.4295	217	-0.0875	268	-0.0825
167	0.3195	218	-0.0705	269	0.1935
168	0.2445	219	-0.0615	270	0.2655
169	0.0735	220	-0.1075	271	-0.1465
170	0.3615	221	-0.4695	272	-0.1745
171	0.1805	222	-0.2895	273	0.1505
172	-0.0705	223	-0.0285	274	0.2215
173	0.0465	224	-0.0165	275	0.3045
174	-0.0325	225	0.1885	276	0.2595
175	-0.2215	226	0.0135	277	0.0575
176	-0.2275	227	-0.6735	278	-0.7575
177	-0.2065	228	-0.5825	279	-0.7355
178	-0.3985	229	-0.4865	280	-0.6435
179	-0.3455	230	-0.2405	281	-0.3375
180	-0.1945	231	-0.1085	282	-0.0995
181	0.3125	232	-0.0765	283	-0.0585
182	0.4515	233	-0.0625	284	-0.0315
183	0.4675	234	-0.0755	285	-0.0605
184	0.6295	235	-0.2065	286	-0.1605
185	0.6775	236	-0.1425	287	-0.2145
186	0.7435	237	0.0015	288	0.1175
187	0.7975	238	0.0385	289	0.2315
188	0.8435	239	0.1805	290	0.2215
189	0.8705	240	0.0665	291	-0.4695
190	-0.1585	241	-0.6385	292	-0.0285
191	-0.1665	242	-0.5665	325	0.0195
192	-0.1725	244	-0.2085	326	0.0205
193	-0.1785	245	-0.1055	327	0.0195
194	-0.1715	246	-0.0765	328	0.0185
195	-0.1685	247	-0.0545	329	0.0205
196	-0.1935	248	-0.0355	330	0.0195
197	-0.1745	249	-0.0255	331	0.0205
198	-0.1695	250	0.0315	332	0.0175
199	-0.1685	251	-0.1485	333	0.0175
200	-0.1705	252	-0.0175	334	0.0185
201	-0.1715	253	0.2065	335	0.0175
202	-0.1635	254	0.0205	336	0.0185
203	-0.1655	255	-0.7095	337	0.0195
204	-0.1615	256	-0.6685	338	0.0215
205	0.1855	257	-0.6035	339	0.0195
206	0.2105	258	-0.3845	340	0.0185
207	0.2125	259	-0.1095	341	0.0185
208	0.2155	260	-0.0615	350	0.0005
210	0.2645	261	-0.0425	351	0.0325
211	0.2225	262	-0.0275	352	0.0305
212	0.0485	263	-0.1405	353	0.0325
213	-0.7655	264	-0.0315	354	0.0315
214	-0.5885	265	0.1975	355	0.0315
215	-0.4525	266	0.2345		
216	-0.2085	267	-0.1415		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 475
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 21.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 0.699
TUNNEL DYNAMIC PRESSURE(PSF) = 546.
TUNNEL STAGNATION PRESSURE(PSF) = 2215.
TUNNEL STATIC PRESSURE(PSF) = 1598.
REYNOLDS NUMBER PER FOOT = 4.0130E 06
MODEL ANGLE OF ATTACK(DEG) = -14.22
FIN ANGLE(DEG) = -0.06
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE	CP(REF)
147	0.0143
247	0.0153
347	0.0153
447	0.0143
547	-0.0107
647	-0.0117
747	-0.0117

ORF	CP	ORF	CP	ORF	CP
1	-0.1747	52	-0.1897	102	-0.3077
2	-0.3627	53	-0.3677	103	-0.5927
3	-0.3067	54	-0.3367	104	-0.5697
4	-0.2327	55	0.1783	105	-0.4347
5	-0.1957	56	0.1263	110	-0.2737
6	-0.1747	57	0.0913	111	-0.2827
7	-0.1707	58	0.0533	112	-0.2457
8	-0.1667	59	0.0243	113	-0.2847
9	-0.1617	60	-0.0147	114	-0.2027
10	-0.1667	61	-0.0517	115	-0.2107
11	-0.1717	62	-0.1117	116	-0.1097
12	-0.1887	63	-0.1977	117	-0.1477
13	-0.2167	64	-0.4017	118	-0.1477
14	-0.3117	65	-0.3967	119	-0.1227
15	-0.3107	66	0.2363	120	-0.0457
16	-0.1547	67	0.1683	121	-0.1357
17	-0.1747	68	0.1183	122	-0.2807
18	-0.1587	69	0.0723	123	-0.2067
19	-0.1557	70	0.0163	124	-0.1907
20	-0.1467	71	-0.0327	125	-0.1667
21	-0.1447	72	-0.1047	126	-0.1447
22	-0.1507	73	-0.2297	127	-0.1577
23	-0.1507	74	-0.3577	128	-0.3227
24	-0.1557	75	0.2493	129	-0.2277
25	-0.1707	76	0.1693	135	-0.1077
26	-0.1867	77	0.0943	136	-0.0997
27	-0.2227	78	0.0313	137	-0.0937
28	-0.3117	79	-0.0357	138	-0.0067
29	-0.3187	80	-0.1267	139	0.0003
30	-0.0557	81	-0.2837	140	0.0073
32	-0.0807	82	-0.3407	141	0.0923
33	-0.0847	83	0.2023	142	0.0273
34	-0.0937	84	0.1243	143	0.0643
35	-0.1007	85	0.0353	145	-0.1067
36	-0.1127	86	-0.0457	147	0.0253
37	-0.1267	87	-0.1287	151	-0.1647
38	-0.1487	88	-0.2507	152	-0.2297
39	-0.1717	89	-0.3417	153	-0.3087
40	-0.2087	90	0.1053	154	-0.2957
41	-0.2927	91	-0.0557	155	0.0783
42	-0.3087	92	-0.1347	156	-0.0987
43	0.0803	93	-0.1997	157	-0.1937
44	0.0403	94	-0.2727	158	0.2113
45	0.0123	95	-0.3227	159	0.0523
46	0.0013	96	-0.4237	160	0.0083
47	-0.0187	97	-0.4167	161	-0.0867
48	-0.0397	98	-0.4347	162	0.0923
49	-0.0667	99	-1.2357	163	0.0093
50	-0.0967	100	-0.7257	164	-0.0057
51	-0.1347	101	-0.3497	165	-0.1667

ORF	CP	ORF	CP	ORF	CP
166	0.0433	217	-0.9707	268	-0.2157
167	-0.0537	218	-0.7977	269	-0.0117
168	-0.1087	219	-0.4467	270	0.0693
169	-0.1977	220	-0.3937	271	-0.3507
170	-0.0557	221	-0.5997	272	-0.2737
171	-0.1187	222	-0.4137	273	-0.0027
172	-0.2287	223	-0.1177	274	0.0263
173	-0.0497	224	-0.1337	275	-0.0057
174	-0.1297	225	-0.0567	276	-0.0227
175	-0.1967	226	-0.2787	277	-0.1767
176	-0.2707	227	-1.6047	278	-0.7637
177	-0.3847	228	-1.5427	279	-0.7387
178	-0.4157	229	-1.4797	280	-0.6007
179	-0.2607	230	-1.2657	281	-0.3507
180	-0.2797	231	-0.8817	282	-0.2277
181	0.0063	232	-0.6607	283	-0.2147
182	0.2333	233	-0.4307	284	-0.1947
183	0.6333	234	-0.3767	285	-0.2197
184	0.7693	235	-0.4667	286	-0.3667
185	0.8213	236	-0.3527	287	-0.3167
186	0.9633	237	-0.1427	288	-0.0597
187	1.1033	238	-0.0817	289	-0.0367
188	1.1373	239	-0.1447	290	-0.0117
189	1.1333	240	-0.2417	291	-0.4667
190	-0.2327	241	-1.0387	292	-0.1277
191	-0.1887	242	-0.8827	325	0.0023
192	-0.2547	244	-0.5097	326	0.0013
193	-0.2417	245	-0.3997	327	0.0043
194	-0.2177	246	-0.3417	328	0.0013
195	-0.1867	247	-0.2857	329	0.0013
196	-0.2327	248	-0.2417	330	0.0013
197	-0.2397	249	-0.2017	331	0.0033
198	-0.2217	250	-0.0237	332	0.0043
199	-0.2257	251	-0.2697	333	0.0033
200	-0.1787	252	-0.1857	334	0.0013
201	-0.1917	253	-0.0597	335	0.0023
202	-0.2297	254	-0.2347	336	0.0003
203	-0.2257	255	-0.7207	337	0.0013
204	-0.1917	256	-0.7117	338	0.0013
205	-0.0667	257	-0.6847	339	0.0023
206	-0.0527	258	-0.5327	340	0.0013
207	-0.0397	259	-0.3107	341	0.0013
208	-0.0417	260	-0.2627	350	-0.1187
210	-0.0467	261	-0.2347	351	-0.0237
211	-0.5627	262	-0.2207	352	-0.0237
212	-0.5727	263	-0.2977	353	-0.0277
213	-1.8007	264	-0.1977	354	-0.0247
214	-1.5167	265	-0.0307	355	-0.0257
215	-1.5227	266	0.0133		
216	-1.3357	267	-0.3127		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 476
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 21.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 0.702
TUNNEL DYNAMIC PRESSURE(PSF) = 550.
TUNNEL STAGNATION PRESSURE(PSF) = 2214.
TUNNEL STATIC PRESSURE(PSF) = 1593.
REYNOLDS NUMBER PER FOOT = 4.0210E 06
MODEL ANGLE OF ATTACK(DEG) = -12.09
FIN ANGLE(DEG) = -0.12
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE	CP(REF)
147	0.0286
247	0.0266
347	0.0266
447	0.0276
547	0.0326
647	0.0336
747	0.0326

ORF	CP	ORF	CP	ORF	CP
1	-0.1234	52	-0.1664	102	-0.2834
2	-0.2854	53	-0.3614	103	-0.5644
3	-0.2364	54	-0.3154	104	-0.5514
4	-0.1804	55	0.2266	105	-0.4394
5	-0.1554	56	0.1656	110	-0.1844
6	-0.1384	57	0.1246	111	-0.2074
7	-0.1354	58	0.0886	112	-0.1724
8	-0.1264	59	0.0506	113	-0.2114
9	-0.1264	60	0.0116	114	-0.1574
10	-0.1284	61	-0.0374	115	-0.1314
11	-0.1424	62	-0.0924	116	-0.0464
12	-0.1534	63	-0.1864	117	-0.0484
13	-0.1774	64	-0.3944	118	-0.0474
14	-0.2764	65	-0.3824	119	-0.0584
15	-0.2744	66	0.2486	120	0.0026
16	-0.1094	67	0.1816	121	-0.0754
17	-0.1104	68	0.1306	122	-0.0774
18	-0.1144	69	0.0826	123	-0.1994
19	-0.1064	70	0.0326	124	-0.1304
20	-0.1004	71	-0.0274	125	-0.1084
21	-0.1004	72	-0.1054	126	-0.0844
22	-0.1054	73	-0.2264	127	-0.0984
23	-0.1124	74	-0.3554	128	-0.2514
24	-0.1194	75	0.2376	129	-0.1534
25	-0.1324	76	0.1676	135	-0.0434
26	-0.1524	77	0.0866	136	-0.0424
27	-0.1924	78	0.0226	137	-0.0354
28	-0.2894	79	-0.0444	138	0.0466
29	-0.2904	80	-0.1294	139	0.0506
30	-0.0024	81	-0.2874	140	0.0566
32	-0.0304	82	-0.3324	141	0.1206
33	-0.0334	83	0.1936	142	0.0706
34	-0.0504	84	0.1166	143	0.1016
35	-0.0594	85	0.0276	145	-0.0434
36	-0.0724	86	-0.0534	147	0.0696
37	-0.0894	87	-0.1334	151	-0.1374
38	-0.1094	88	-0.2494	152	-0.1984
39	-0.1324	89	-0.3444	153	-0.3104
40	-0.1824	90	0.0976	154	-0.2784
41	-0.2664	91	-0.0514	155	0.1396
42	-0.2864	92	-0.1304	156	-0.0594
43	0.1416	93	-0.1844	157	-0.1614
44	0.0986	94	-0.2584	158	0.2576
45	0.0706	95	-0.3084	159	0.1116
46	0.0486	96	-0.3644	160	0.0736
47	0.0216	97	-0.3894	161	-0.0254
48	-0.0014	98	-0.3784	162	0.1256
49	-0.0344	99	-1.1134	163	0.0506
50	-0.0594	100	-0.6454	164	0.0516
51	-0.1064	101	-0.3154	165	-0.1364

ORF	CP	ORF	CP	ORF	CP
166	0.0586	217	-0.7904	268	-0.1554
167	-0.0304	218	-0.5724	269	0.0516
168	-0.0864	219	-0.3294	270	0.1356
169	-0.1734	220	-0.2814	271	-0.2944
170	-0.0214	221	-0.5184	272	-0.2174
171	-0.0944	222	-0.3214	273	0.0736
172	-0.1984	223	-0.0584	274	0.0936
173	-0.0294	224	-0.0634	275	0.0346
174	-0.1044	225	-0.0064	276	0.0446
175	-0.1764	226	-0.2204	277	-0.0914
176	-0.2474	227	-1.4834	278	-0.6354
177	-0.3684	228	-1.4174	279	-0.5954
178	-0.3934	229	-1.3144	280	-0.4694
179	-0.1974	230	-1.0614	281	-0.2424
180	-0.2594	231	-0.6614	282	-0.1594
181	0.0236	232	-0.4734	283	-0.1364
182	0.2486	233	-0.3274	284	-0.1234
183	0.6006	234	-0.2614	285	-0.1534
184	0.7246	235	-0.3564	286	-0.3074
185	0.7656	236	-0.2714	287	-0.2634
186	0.9076	237	-0.0784	288	0.0096
187	1.0846	238	-0.0274	289	0.0256
188	1.1346	239	-0.0624	290	0.0576
189	1.1326	240	-0.1774	291	-0.4774
190	-0.2174	241	-0.8654	292	-0.0884
191	-0.1684	242	-0.7464	325	0.0106
192	-0.2324	244	-0.4174	326	0.0126
193	-0.2274	245	-0.3204	327	0.0126
194	-0.1984	246	-0.2724	328	0.0126
195	-0.1694	247	-0.2204	329	0.0106
196	-0.2014	248	-0.1714	330	0.0126
197	-0.2234	249	-0.1454	331	0.0136
198	-0.2084	250	0.0146	332	0.0126
199	-0.1984	251	-0.2134	333	0.0126
200	-0.1874	252	-0.1354	334	0.0096
201	-0.1724	253	0.0186	335	0.0126
202	-0.2184	254	-0.1534	336	0.0096
203	-0.2074	255	-0.6754	337	0.0106
204	-0.1864	256	-0.6624	338	0.0126
205	0.0046	257	-0.6104	339	0.0126
206	0.0116	258	-0.4634	340	0.0126
207	0.0236	259	-0.2434	341	0.0106
208	0.0216	260	-0.2004	350	-0.0584
210	0.0416	261	-0.1764	351	0.0166
211	-0.4104	262	-0.1614	352	0.0146
212	-0.4714	263	-0.2454	353	0.0136
213	-1.6784	264	-0.1404	354	0.0136
214	-1.4094	265	0.0356	355	0.0176
215	-1.4024	266	0.0726		
216	-1.1524	267	-0.2564		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 477
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 21.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 0.702
TUNNEL DYNAMIC PRESSURE(PSF) = 549.
TUNNEL STAGNATION PRESSURE(PSF) = 2210.
TUNNEL STATIC PRESSURE(PSF) = 1590.
REYNOLDS NUMBER PER FOOT = 4.0160E 06
MODEL ANGLE OF ATTACK(DEG) = -8.08
FIN ANGLE(DEG) = -0.15
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE	CP(REF)
147	0.0328
247	0.0308
347	0.0308
447	0.0318
547	0.0358
647	0.0358
747	0.0358

ORF	CP	ORF	CP	ORF	CP
1	-0.0642	52	-0.1602	102	-0.2362
2	-0.1962	53	-0.3542	103	-0.5612
3	-0.1452	54	-0.3042	104	-0.5632
4	-0.1132	55	0.2318	105	-0.3852
5	-0.0932	56	0.1588	110	-0.1322
6	-0.0842	57	0.1218	111	-0.1572
7	-0.0792	58	0.0798	112	-0.1172
8	-0.0762	59	0.0408	113	-0.1622
9	-0.0812	60	0.0008	114	-0.1422
10	-0.0872	61	-0.0462	115	-0.0702
11	-0.0932	62	-0.1082	116	-0.0072
12	-0.1102	63	-0.2052	117	0.0038
13	-0.1382	64	-0.4212	118	0.0028
14	-0.2402	65	-0.3932	119	-0.0232
15	-0.2352	66	0.2218	120	0.0148
16	-0.0282	67	0.1428	121	-0.0312
17	-0.0432	68	0.0918	122	-0.0392
18	-0.0392	69	0.0508	123	-0.1442
19	-0.0432	70	-0.0022	124	-0.0872
20	-0.0422	71	-0.0582	125	-0.0702
21	-0.0462	72	-0.1312	126	-0.0472
22	-0.0492	73	-0.2632	127	-0.0602
23	-0.0632	74	-0.3782	128	-0.1882
24	-0.0752	75	0.2088	129	-0.1032
25	-0.0882	76	0.1278	135	-0.0052
26	-0.1062	77	0.0498	136	-0.0112
27	-0.1542	78	-0.0192	137	-0.0102
28	-0.2512	79	-0.0812	138	0.0798
29	-0.2532	80	-0.1582	139	0.0748
30	0.0828	81	-0.3122	140	0.0748
32	0.0378	82	-0.3362	141	0.1088
33	0.0198	83	0.1498	142	0.0858
34	0.0018	84	0.0718	143	0.0988
35	-0.0122	85	-0.0182	145	-0.0082
36	-0.0252	86	-0.0972	147	0.0778
37	-0.0422	87	-0.1682	151	-0.0582
38	-0.0612	88	-0.2632	152	-0.1722
39	-0.0922	89	-0.3112	153	-0.2492
40	-0.1372	90	0.0618	154	-0.2602
41	-0.2422	91	-0.0802	155	0.1888
42	-0.2532	92	-0.1432	156	0.0358
43	0.1938	93	-0.1962	157	-0.1002
44	0.1388	94	-0.2432	158	0.2758
45	0.1038	95	-0.2642	159	0.1768
46	0.0718	96	-0.3502	160	0.1308
47	0.0458	97	-0.3482	161	0.0128
48	0.0238	98	-0.3962	162	0.1788
49	-0.0102	99	-0.6952	163	0.1078
50	-0.0432	100	-0.4562	164	0.0748
51	-0.0902	101	-0.2742	165	-0.0932

ORF	CP	ORF	CP	ORF	CP
166	0.1098	217	-0.3852	268	-0.1172
167	0.0438	218	-0.3102	269	0.0928
168	-0.0142	219	-0.2532	270	0.1598
169	-0.1162	220	-0.2452	271	-0.2492
170	0.0858	221	-0.4682	272	-0.1832
171	-0.0182	222	-0.2782	273	0.1058
172	-0.1572	223	-0.0672	274	0.1288
173	-0.0152	224	-0.0632	275	0.0828
174	-0.0982	225	-0.0112	276	0.0888
175	-0.1622	226	-0.2042	277	-0.0272
176	-0.2272	227	-1.0762	278	-0.5022
177	-0.2752	228	-0.9522	279	-0.4652
178	-0.3222	229	-0.8102	280	-0.3232
179	-0.1722	230	-0.5452	281	-0.1502
180	-0.2192	231	-0.3772	282	-0.0922
181	0.1378	232	-0.3062	283	-0.0802
182	0.3288	233	-0.2412	284	-0.0722
183	0.5498	234	-0.2182	285	-0.1132
184	0.6968	235	-0.2932	286	-0.2642
185	0.7468	236	-0.2292	287	-0.2302
186	0.8778	237	-0.0992	288	0.0578
187	1.0438	238	-0.0662	289	0.0768
188	1.1248	239	0.1158	290	0.1098
189	1.1328	240	-0.0192	291	-0.4902
190	-0.1882	241	-0.7932	292	-0.0642
191	-0.1682	242	-0.7862	325	0.0198
192	-0.2002	244	-0.5572	326	0.0178
193	-0.2002	245	-0.2922	327	0.0178
194	-0.1902	246	-0.2282	328	0.0178
195	-0.1692	247	-0.1902	329	0.0158
196	-0.1982	248	-0.1562	330	0.0188
197	-0.1972	249	-0.1042	331	0.0188
198	-0.1852	250	0.0238	332	0.0178
199	-0.1812	251	-0.1872	333	0.0188
200	-0.1752	252	-0.0752	334	0.0158
201	-0.1732	253	0.0988	335	0.0188
202	-0.2002	254	-0.0742	336	0.0208
203	-0.1902	255	-0.6982	337	0.0188
204	-0.1682	256	-0.6412	338	0.0178
205	0.0568	257	-0.5522	339	0.0178
206	0.0658	258	-0.3382	340	0.0188
207	0.0738	259	-0.1762	341	0.0178
208	0.0768	260	-0.1342	350	-0.0232
210	0.1128	261	-0.1172	351	0.0228
211	-0.1512	262	-0.1122	352	0.0238
212	-0.3132	263	-0.1952	353	0.0228
213	-1.2062	264	-0.0882	354	0.0268
214	-1.0212	265	0.0798	355	0.0228
215	-0.9432	266	0.1168		
216	-0.6202	267	-0.2152		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 478
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 21.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 0.700
TUNNEL DYNAMIC PRESSURE(PSF) = 547.
TUNNEL STAGNATION PRESSURE(PSF) = 2210.
TUNNEL STATIC PRESSURE(PSF) = 1593.
REYNOLDS NUMBER PER FOOT = 4.0080E 06
MODEL ANGLE OF ATTACK(DEG) = -6.04
FIN ANGLE(DEG) = -0.16
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALUE	CP(REF)
147	0.0268
247	0.0248
347	0.0258
447	0.0268
547	0.0298
647	0.0288
747	0.0288

ORF	CP	ORF	CP	ORF	CP
1	-0.0352	52	-0.1572	102	-0.2192
2	-0.1652	53	-0.3482	103	-0.5522
3	-0.1282	54	-0.2942	104	-0.5432
4	-0.0882	55	0.2018	105	-0.3662
5	-0.0642	56	0.1358	110	-0.1132
6	-0.0632	57	0.0998	111	-0.1402
7	-0.0572	58	0.0548	112	-0.1072
8	-0.0632	59	0.0208	113	-0.1472
9	-0.0662	60	-0.0082	114	-0.1502
10	-0.0682	61	-0.0552	115	-0.0612
11	-0.0792	62	-0.1152	116	-0.0002
12	-0.0942	63	-0.2162	117	0.0178
13	-0.1212	64	-0.4232	118	0.0108
14	-0.2182	65	-0.4002	119	-0.0252
15	-0.2242	66	0.1918	120	0.0058
16	0.0058	67	0.1148	121	-0.0172
17	-0.0112	68	0.0658	122	-0.0182
18	-0.0232	69	0.0268	123	-0.1572
19	-0.0242	70	-0.0172	124	-0.0792
20	-0.0302	71	-0.0672	125	-0.0672
21	-0.0302	72	-0.1412	126	-0.0402
22	-0.0382	73	-0.2702	127	-0.0552
23	-0.0522	74	-0.3712	128	-0.1822
24	-0.0652	75	0.1688	129	-0.0912
25	-0.0782	76	0.0998	135	-0.0072
26	-0.0982	77	0.0298	136	-0.0102
27	-0.1342	78	-0.0252	137	-0.0082
28	-0.2302	79	-0.0902	138	0.0778
29	-0.2312	80	-0.1682	139	0.0778
30	0.0928	81	-0.3212	140	0.0758
32	0.0448	82	-0.3292	141	0.0978
33	0.0258	83	0.1218	142	0.0858
34	0.0068	84	0.0388	143	0.0928
35	-0.0082	85	-0.0362	145	-0.0122
36	-0.0182	86	-0.1022	147	0.0828
37	-0.0312	87	-0.1672	151	-0.0512
38	-0.0592	88	-0.2742	152	-0.1632
39	-0.0912	89	-0.3052	153	-0.2252
40	-0.1362	90	0.0348	154	-0.2402
41	-0.2332	91	-0.0862	155	0.1508
42	-0.2372	92	-0.1502	156	0.0208
43	0.1658	93	-0.1992	157	-0.0982
44	0.1198	94	-0.2662	158	0.2788
45	0.0858	95	-0.2672	159	0.1588
46	0.0618	96	-0.3352	160	0.1208
47	0.0368	97	-0.3382	161	0.0078
48	0.0068	98	-0.2292	162	0.1858
49	-0.0182	99	-0.4272	163	0.1268
50	-0.0532	100	-0.2992	164	0.0758
51	-0.0942	101	-0.2502	165	-0.0762

ORF	CP	ORF	CP	ORF	CP
166	0.1278	217	-0.3272	268	-0.1182
167	0.0768	218	-0.2872	269	0.1008
168	0.0258	219	-0.2352	270	0.1678
169	-0.0892	220	-0.2312	271	-0.2372
170	0.1298	221	-0.4522	272	-0.1852
171	0.0258	222	-0.2802	273	0.1058
172	-0.1332	223	-0.0792	274	0.1358
173	0.0128	224	-0.0792	275	0.1078
174	-0.0832	225	0.0568	276	0.1128
175	-0.1612	226	-0.1382	277	-0.0102
176	-0.2312	227	-0.9822	278	-0.4902
177	-0.2502	228	-0.8572	279	-0.4262
178	-0.3312	229	-0.7432	280	-0.2892
179	-0.1852	230	-0.4852	281	-0.1382
180	-0.2172	231	-0.3132	282	-0.0732
181	0.1738	232	-0.2562	283	-0.0682
182	0.3788	233	-0.2112	284	-0.0682
183	0.4988	234	-0.1922	285	-0.1092
184	0.6438	235	-0.2742	286	-0.2442
185	0.6898	236	-0.1992	287	-0.2342
186	0.7888	237	-0.0702	288	0.0628
187	0.9438	238	-0.0332	289	0.0858
188	1.0618	239	0.1898	290	0.1058
189	1.1068	240	0.0458	291	-0.4712
190	-0.1782	241	-0.8082	292	-0.0692
191	-0.1692	242	-0.8002	325	0.0128
192	-0.1932	244	-0.5402	326	0.0138
193	-0.1962	245	-0.2522	327	0.0128
194	-0.1752	246	-0.1832	328	0.0138
195	-0.1702	247	-0.1472	329	0.0118
196	-0.1902	248	-0.1142	330	0.0128
197	-0.1842	249	-0.0712	331	0.0138
198	-0.1852	250	0.0168	332	0.0128
199	-0.1872	251	-0.1942	333	0.0148
200	-0.1762	252	-0.0852	334	0.0118
201	-0.1682	253	0.1158	335	0.0128
202	-0.1872	254	-0.0542	336	0.0148
203	-0.1812	255	-0.6272	337	0.0148
204	-0.1752	256	-0.5532	338	0.0148
205	0.0728	257	-0.4632	339	0.0118
206	0.0768	258	-0.2582	340	0.0148
207	0.0898	259	-0.1472	341	0.0128
208	0.0858	260	-0.1142	350	-0.0222
210	0.1388	261	-0.1002	351	0.0168
211	0.0118	262	-0.0962	352	0.0158
212	-0.1782	263	-0.1812	353	0.0148
213	-1.0872	264	-0.0862	354	0.0178
214	-0.8672	265	0.0788	355	0.0138
215	-0.7452	266	0.1218		
216	-0.4792	267	-0.1992		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 479
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 21.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 0.702
TUNNEL DYNAMIC PRESSURE(PSF) = 549.
TUNNEL STAGNATION PRESSURE(PSF) = 2210.
TUNNEL STATIC PRESSURE(PSF) = 1590.
REYNOLDS NUMBER PER FOOT = 4.0130E 06
MODEL ANGLE OF ATTACK(DEG) = -4.01
FIN ANGLE(DEG) = -0.17
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE	CP(REF)
147	0.0328
247	0.0308
347	0.0308
447	0.0308
547	0.0358
647	0.0358
747	0.0368

ORF	CP	ORF	CP	ORF	CP
1	-0.0392	52	-0.1572	102	-0.1852
2	-0.1792	53	-0.3272	103	-0.5182
3	-0.1302	54	-0.2732	104	-0.5072
4	-0.0852	55	0.1608	105	-0.3342
5	-0.0572	56	0.1128	110	-0.0952
6	-0.0502	57	0.0788	111	-0.1152
7	-0.0502	58	0.0398	112	-0.0802
8	-0.0472	59	0.0078	113	-0.1192
9	-0.0492	60	-0.0282	114	-0.1302
10	-0.0612	61	-0.0692	115	-0.0352
11	-0.0692	62	-0.1242	116	0.0198
12	-0.0832	63	-0.2112	117	0.0288
13	-0.1082	64	-0.4062	118	-0.0172
14	-0.1992	65	-0.3862	119	-0.0122
15	-0.2002	66	0.1558	120	0.0228
16	-0.0082	67	0.0898	121	0.0038
17	-0.0202	68	0.0468	122	-0.0012
18	-0.0192	69	0.0088	123	-0.1192
19	-0.0222	70	-0.0302	124	-0.0532
20	-0.0242	71	-0.0742	125	-0.0422
21	-0.0282	72	-0.1472	126	-0.0192
22	-0.0292	73	-0.2692	127	-0.0332
23	-0.0392	74	-0.3512	128	-0.1442
24	-0.0492	75	0.1368	129	-0.0692
25	-0.0652	76	0.0838	135	0.0068
26	-0.0882	77	0.0128	136	0.0068
27	-0.1302	78	-0.0362	137	0.0098
28	-0.2162	79	-0.0952	138	0.0938
29	-0.2102	80	-0.1672	139	0.0908
30	0.0758	81	-0.3182	140	0.0928
32	0.0288	82	-0.3162	141	0.1118
33	0.0208	83	0.0928	142	0.1028
34	0.0018	84	0.0198	143	0.1058
35	-0.0072	85	-0.0462	145	0.0068
36	-0.0162	86	-0.1032	147	0.1058
37	-0.0372	87	-0.1552	151	-0.0512
38	-0.0612	88	-0.2652	152	-0.1512
39	-0.0832	89	-0.2992	153	-0.2212
40	-0.1252	90	0.0098	154	-0.2332
41	-0.2102	91	-0.0952	155	0.1668
42	-0.2102	92	-0.1422	156	0.0348
43	0.1278	93	-0.1822	157	-0.0872
44	0.0938	94	-0.2442	158	0.2798
45	0.0608	95	-0.2482	159	0.1578
46	0.0358	96	-0.2952	160	0.1128
47	0.0218	97	-0.3392	161	0.0068
48	-0.0032	98	-0.1372	162	0.2058
49	-0.0302	99	-0.1792	163	0.1458
50	-0.0552	100	-0.2742	164	0.0948
51	-0.0962	101	-0.2232	165	-0.0682

ORF	CP	ORF	CP	ORF	CP
166	0.1998	217	-0.2362	268	-0.0962
167	0.1428	218	-0.2042	269	0.1168
168	0.0778	219	-0.1692	270	0.1828
169	-0.0442	220	-0.1872	271	-0.2072
170	0.1738	221	-0.4722	272	-0.1762
171	0.0948	222	-0.2892	273	0.1178
172	-0.0992	223	-0.0392	274	0.1478
173	0.0328	224	-0.0402	275	0.1558
174	-0.0602	225	0.1278	276	0.1348
175	-0.1502	226	-0.0552	277	0.0078
176	-0.2242	227	-0.8682	278	-0.5012
177	-0.2482	228	-0.7772	279	-0.4632
178	-0.3282	229	-0.6612	280	-0.3132
179	-0.1762	230	-0.3982	281	-0.1332
180	-0.2012	231	-0.2332	282	-0.0572
181	0.2248	232	-0.1822	283	-0.0542
182	0.3968	233	-0.1492	284	-0.0472
183	0.4528	234	-0.1442	285	-0.0832
184	0.5878	235	-0.2512	286	-0.2152
185	0.6148	236	-0.1722	287	-0.2242
186	0.6488	237	-0.0352	288	0.0978
187	0.7628	238	0.0048	289	0.1368
188	0.8778	239	0.1868	290	0.1218
189	0.9468	240	0.0608	291	-0.4872
190	-0.1742	241	-0.7342	292	-0.0512
191	-0.1632	242	-0.7012	325	0.0218
192	-0.1812	244	-0.4102	326	0.0238
193	-0.1822	245	-0.1792	327	0.0248
194	-0.1702	246	-0.1372	328	0.0228
195	-0.1622	247	-0.1012	329	0.0218
196	-0.2012	248	-0.0782	330	0.0228
197	-0.1812	249	-0.0512	331	0.0228
198	-0.1702	250	0.0258	332	0.0238
199	-0.1772	251	-0.1642	333	0.0228
200	-0.1722	252	-0.0642	334	0.0208
201	-0.1592	253	0.1148	335	0.0208
202	-0.1772	254	-0.0332	336	0.0218
203	-0.1702	255	-0.5872	337	0.0208
204	-0.1722	256	-0.5132	338	0.0228
205	0.1078	257	-0.4232	339	0.0238
206	0.1228	258	-0.2192	340	0.0228
207	0.1258	259	-0.1242	341	0.0218
208	0.1228	260	-0.0872	350	-0.0102
210	0.1818	261	-0.0772	351	0.0268
211	0.1048	262	-0.0722	352	0.0298
212	-0.0852	263	-0.1572	353	0.0258
213	-0.9532	264	-0.0692	354	0.0268
214	-0.7692	265	0.1028	355	0.0288
215	-0.6522	266	0.1468		
216	-0.3852	267	-0.1712		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 480
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 21.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 0.702
TUNNEL DYNAMIC PRESSURE(PSF) = 549.
TUNNEL STAGNATION PRESSURE(PSF) = 2210.
TUNNEL STATIC PRESSURE(PSF) = 1590.
REYNOLDS NUMBER PER FOOT = 4.0090E 06
MODEL ANGLE OF ATTACK(DEG) = -1.92
FIN ANGLE(DEG) = -0.14
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE	CP(REF)
147	0.0308
247	0.0298
347	0.0318
447	0.0328
547	0.0298
647	0.0308
747	0.0308

ORF	CP	ORF	CP	ORF	CP
1	-0.0502	52	-0.1652	102	-0.1802
2	-0.2532	53	-0.3422	103	-0.5152
3	-0.2122	54	-0.2742	104	-0.4982
4	-0.1212	55	0.1018	105	-0.3182
5	-0.0762	56	0.0698	110	-0.0952
6	-0.0642	57	0.0428	111	-0.1112
7	-0.0572	58	0.0118	112	-0.0812
8	-0.0552	59	-0.0172	113	-0.1242
9	-0.0572	60	-0.0452	114	-0.1342
10	-0.0602	61	-0.0822	115	-0.0412
11	-0.0672	62	-0.1382	116	0.0078
12	-0.0822	63	-0.2242	117	0.0208
13	-0.1092	64	-0.4212	118	0.0248
14	-0.2052	65	-0.3962	119	-0.0262
15	-0.2002	66	0.0958	120	0.0118
16	-0.0642	67	0.0438	121	-0.0082
17	-0.0582	68	0.0048	122	-0.0072
18	-0.0512	69	-0.0232	123	-0.1382
19	-0.0492	70	-0.0562	124	-0.0522
20	-0.0402	71	-0.1002	125	-0.0442
21	-0.0422	72	-0.1652	126	-0.0192
22	-0.0422	73	-0.2842	127	-0.0272
23	-0.0472	74	-0.3542	128	-0.1282
24	-0.0632	75	0.0758	129	-0.0672
25	-0.0692	76	0.0378	135	0.0048
26	-0.0902	77	-0.0182	136	0.0028
27	-0.1242	78	-0.0632	137	0.0018
28	-0.2222	79	-0.1162	138	0.0868
29	-0.2052	80	-0.1832	139	0.0878
30	0.0188	81	-0.3342	140	0.0838
32	-0.0002	82	-0.3222	141	0.0978
33	-0.0082	83	0.0498	142	0.0948
34	-0.0152	84	-0.0142	143	0.0938
35	-0.0252	85	-0.0652	145	-0.0022
36	-0.0382	86	-0.1092	147	0.0948
37	-0.0462	87	-0.1632	151	-0.0412
38	-0.0632	88	-0.2702	152	-0.1492
39	-0.0902	89	-0.2972	153	-0.2222
40	-0.1372	90	-0.0332	154	-0.2302
41	-0.2212	91	-0.0972	155	0.1678
42	-0.2152	92	-0.1372	156	0.0468
43	0.0828	93	-0.1692	157	-0.0842
44	0.0558	94	-0.2362	158	0.3498
45	0.0288	95	-0.2402	159	0.1948
46	0.0138	96	-0.2972	160	0.1368
47	0.0028	97	-0.3702	161	0.0218
48	-0.0242	98	-0.0942	162	0.2738
49	-0.0462	99	-0.1292	163	0.2178
50	-0.0732	100	-0.2832	164	0.0838
51	-0.1082	101	-0.2072	165	-0.0382

ORF	CP	ORF	CP	ORF	CP
166	0.3108	217	-0.1822	268	-0.1052
167	0.2348	218	-0.1442	269	0.1358
168	0.1618	219	-0.1312	270	0.2188
169	0.0148	220	-0.1632	271	-0.1992
170	0.2738	221	-0.4832	272	-0.1952
171	0.1498	222	-0.2962	273	0.1388
172	-0.0862	223	-0.0622	274	0.1848
173	0.0408	224	-0.0512	275	0.2188
174	-0.0552	225	0.1608	276	0.1658
175	-0.1882	226	-0.0342	277	0.0088
176	-0.2402	227	-0.8092	278	-0.6402
177	-0.2432	228	-0.7262	279	-0.6132
178	-0.3702	229	-0.6212	280	-0.4952
179	-0.2152	230	-0.3482	281	-0.2232
180	-0.2092	231	-0.1792	282	-0.0792
181	0.2618	232	-0.1342	283	-0.0712
182	0.4288	233	-0.1172	284	-0.0602
183	0.4698	234	-0.1202	285	-0.0952
184	0.6078	235	-0.2332	286	-0.2052
185	0.6398	236	-0.1612	287	-0.2542
186	0.6558	237	-0.0222	288	0.1158
187	0.7128	238	0.0208	289	0.1868
188	0.7918	239	0.1768	290	0.1428
189	0.8508	240	0.0578	291	-0.4892
190	-0.1772	241	-0.6722	292	-0.0532
191	-0.1732	242	-0.6472	325	0.0168
192	-0.1852	244	-0.3442	326	0.0168
193	-0.1922	245	-0.1502	327	0.0178
194	-0.1782	246	-0.1132	328	0.0188
195	-0.1762	247	-0.0912	329	0.0178
196	-0.2032	248	-0.0732	330	0.0138
197	-0.1872	249	-0.0572	331	0.0158
198	-0.1782	250	0.0148	332	0.0158
199	-0.1872	251	-0.1682	333	0.0158
200	-0.1782	252	-0.0682	334	0.0168
201	-0.1702	253	0.1288	335	0.0148
202	-0.1762	254	-0.0342	336	0.0198
203	-0.1732	255	-0.6192	337	0.0168
204	-0.1712	256	-0.5752	338	0.0188
205	0.1318	257	-0.5122	339	0.0188
206	0.1498	258	-0.2752	340	0.0198
207	0.1538	259	-0.1182	341	0.0188
208	0.1458	260	-0.0942	350	-0.0212
210	0.2258	261	-0.0792	351	0.0148
211	0.1798	262	-0.0682	352	0.0148
212	-0.0182	263	-0.1622	353	0.0148
213	-0.9042	264	-0.0642	354	0.0178
214	-0.7192	265	0.1288	355	0.0178
215	-0.6072	266	0.1718		
216	-0.3322	267	-0.1652		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 481
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 21.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 0.702
TUNNEL DYNAMIC PRESSURE(PSF) = 549.
TUNNEL STAGNATION PRESSURE(PSF) = 2210.
TUNNEL STATIC PRESSURE(PSF) = 1590.
REYNOLDS NUMBER PER FOOT = 4.0080E 06
MODEL ANGLE OF ATTACK(DEG) = 0.09
FIN ANGLE(DEG) = -0.15
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCAN VALUE	CP(REF)
147	0.0318
247	0.0298
347	0.0308
447	0.0318
547	0.0338
647	0.0338
747	0.0338

ORF	CP	ORF	CP	ORF	CP
1	-0.0462	52	-0.1802	102	-0.1582
2	-0.3582	53	-0.3602	103	-0.5002
3	-0.3012	54	-0.2732	104	-0.4802
4	-0.1942	55	0.0528	105	-0.2982
5	-0.1172	56	0.0218	110	-0.0852
6	-0.0792	57	0.0078	111	-0.1052
7	-0.0642	58	-0.0192	112	-0.0732
8	-0.0552	59	-0.0452	113	-0.1072
9	-0.0602	60	-0.0672	114	-0.1212
10	-0.0562	61	-0.0982	115	-0.0312
11	-0.0602	62	-0.1512	116	0.0208
12	-0.0772	63	-0.2422	117	0.0308
13	-0.1082	64	-0.4392	118	0.0288
14	-0.2102	65	-0.4072	119	-0.0052
15	-0.1872	66	0.0318	120	0.0108
16	-0.1172	67	0.0088	121	-0.0062
17	-0.1102	68	-0.0162	122	-0.0002
18	-0.0852	69	-0.0482	123	-0.1132
19	-0.0692	70	-0.0842	124	-0.0292
20	-0.0552	71	-0.1262	125	-0.0282
21	-0.0472	72	-0.1882	126	-0.0062
22	-0.0422	73	-0.2982	127	-0.0122
23	-0.0512	74	-0.3562	128	-0.1202
24	-0.0522	75	0.0218	129	-0.0442
25	-0.0632	76	-0.0072	135	0.0168
26	-0.0892	77	-0.0562	136	0.0148
27	-0.1222	78	-0.0922	137	0.0168
28	-0.2272	79	-0.1372	138	0.0938
29	-0.1942	80	-0.2022	139	0.0918
30	-0.0222	81	-0.3462	140	0.0948
32	-0.0252	82	-0.3132	141	0.1038
33	-0.0272	83	0.0018	142	0.0988
34	-0.0322	84	-0.0432	143	0.0968
35	-0.0382	85	-0.0872	145	0.0098
36	-0.0412	86	-0.1252	147	0.1038
37	-0.0512	87	-0.1772	151	0.0138
38	-0.0642	88	-0.2842	152	-0.1652
39	-0.0932	89	-0.2932	153	-0.1952
40	-0.1392	90	-0.0582	154	-0.2472
41	-0.2302	91	-0.0892	155	0.1918
42	-0.2082	92	-0.1202	156	0.1248
43	0.0368	93	-0.1632	157	-0.0622
44	0.0198	94	-0.2282	158	0.3998
45	0.0028	95	-0.2352	159	0.2938
46	-0.0102	96	-0.3052	160	0.2088
47	-0.0222	97	-0.3832	161	0.0688
48	-0.0432	98	-0.0192	162	0.3668
49	-0.0552	99	-0.0632	163	0.3138
50	-0.0782	100	-0.2602	164	0.0918
51	-0.1202	101	-0.1792	165	0.0018

ORF	CP	ORF	CP	ORF	CP
166	0.4218	217	-0.1052	268	-0.0922
167	0.3128	218	-0.0802	269	0.1798
168	0.2458	219	-0.0792	270	0.2518
169	0.0688	220	-0.1182	271	-0.1672
170	0.3478	221	-0.4682	272	-0.1882
171	0.1808	222	-0.2952	273	0.1338
172	-0.0822	223	-0.0502	274	0.2158
173	0.0378	224	-0.0242	275	0.2868
174	-0.0392	225	0.1748	276	0.2388
175	-0.2312	226	-0.0042	277	0.0428
176	-0.2392	227	-0.6882	278	-0.7822
177	-0.2122	228	-0.6162	279	-0.7532
178	-0.4002	229	-0.5182	280	-0.6672
179	-0.3272	230	-0.2712	281	-0.3742
180	-0.2062	231	-0.1182	282	-0.1172
181	0.3108	232	-0.0872	283	-0.0722
182	0.4498	233	-0.0792	284	-0.0492
183	0.4588	234	-0.0912	285	-0.0832
184	0.6128	235	-0.2172	286	-0.1682
185	0.6758	236	-0.1542	287	-0.2372
186	0.7288	237	-0.0202	288	0.0968
187	0.7958	238	0.0208	289	0.2288
188	0.8528	239	0.1848	290	0.2068
189	0.8858	240	0.0578	291	-0.4742
190	-0.1802	241	-0.6362	292	-0.0442
191	-0.1792	242	-0.6032	325	0.0078
192	-0.1842	244	-0.2652	326	0.0118
193	-0.1872	245	-0.1242	327	0.0078
194	-0.1832	246	-0.0912	328	0.0128
195	-0.1812	247	-0.0722	329	0.0088
196	-0.2122	248	-0.0482	330	0.0118
197	-0.1862	249	-0.0362	331	0.0098
198	-0.1772	250	0.0138	332	0.0068
199	-0.1842	251	-0.1592	333	0.0108
200	-0.1802	252	-0.0332	334	0.0078
201	-0.1672	253	0.1918	335	0.0118
202	-0.1742	254	0.0028	336	0.0098
203	-0.1702	255	-0.7222	337	0.0088
204	-0.1692	256	-0.6832	338	0.0108
205	0.1728	257	-0.6372	339	0.0078
206	0.2028	258	-0.4002	340	0.0118
207	0.2048	259	-0.1222	341	0.0098
208	0.2018	260	-0.0782	350	-0.0072
210	0.2478	261	-0.0522	351	0.0158
211	0.2108	262	-0.0412	352	0.0168
212	0.0348	263	-0.1502	353	0.0168
213	-0.8122	264	-0.0382	354	0.0158
214	-0.5942	265	0.1878	355	0.0148
215	-0.4962	266	0.2238		
216	-0.2152	267	-0.1552		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 482
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 21.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 0.698
TUNNEL DYNAMIC PRESSURE(PSF) = 544.
TUNNEL STAGNATION PRESSURE(PSF) = 2209.
TUNNEL STATIC PRESSURE(PSF) = 1595.
REYNOLDS NUMBER PER FOOT = 3.9940E 06
MODEL ANGLE OF ATTACK(DEG) = 2.09
FIN ANGLE(DEG) = -0.14
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE	CP(REF)
147	0.0220
247	0.0200
347	0.0210
447	0.0210
547	0.0100
647	0.0090
747	0.0090

ORF	CP	ORF	CP	ORF	CP
1	-0.0740	52	-0.1890	102	-0.1440
2	-0.4230	53	-0.3590	103	-0.5290
3	-0.3910	54	-0.2740	104	-0.4850
4	-0.2530	55	-0.0340	105	-0.3280
5	-0.1620	56	-0.0430	110	-0.1060
6	-0.1170	57	-0.0530	111	-0.1240
7	-0.1020	58	-0.0610	112	-0.0910
8	-0.0840	59	-0.0770	113	-0.1250
9	-0.0780	60	-0.1010	114	-0.1300
10	-0.0690	61	-0.1300	115	-0.0580
11	-0.0770	62	-0.1720	116	-0.0080
12	-0.0850	63	-0.2580	117	0.0060
13	-0.1100	64	-0.4530	118	0.0070
14	-0.2100	65	-0.4180	119	-0.0460
15	-0.1870	66	-0.0500	120	-0.0110
16	-0.1830	67	-0.0570	121	-0.0300
17	-0.1790	68	-0.0680	122	-0.0270
18	-0.1460	69	-0.0870	123	-0.1320
19	-0.1110	70	-0.1170	124	-0.0760
20	-0.0970	71	-0.1550	125	-0.0620
21	-0.0800	72	-0.2020	126	-0.0510
22	-0.0700	73	-0.3180	127	-0.0510
23	-0.0720	74	-0.3670	128	-0.1430
24	-0.0760	75	-0.0620	129	-0.0630
25	-0.0800	76	-0.0660	135	-0.0080
26	-0.1000	77	-0.0990	136	-0.0240
27	-0.1360	78	-0.1190	137	-0.0060
28	-0.2240	79	-0.1610	138	0.0760
29	-0.1900	80	-0.2200	139	0.0710
30	-0.0940	81	-0.3550	140	0.0730
32	-0.0820	82	-0.3330	141	0.0800
33	-0.0660	83	-0.0630	142	0.0870
34	-0.0650	84	-0.0990	143	0.0860
35	-0.0690	85	-0.1220	145	-0.0260
36	-0.0650	86	-0.1540	147	0.0790
37	-0.0680	87	-0.1940	151	0.0550
38	-0.0830	88	-0.2980	152	-0.1530
39	-0.1040	89	-0.3160	153	-0.1650
40	-0.1440	90	-0.0950	154	-0.2360
41	-0.2330	91	-0.1080	155	0.1590
42	-0.1980	92	-0.1360	156	0.1340
43	-0.0460	93	-0.1670	157	-0.0480
44	-0.0520	94	-0.2410	158	0.3310
45	-0.0580	95	-0.2540	159	0.2820
46	-0.0570	96	-0.2040	160	0.1940
47	-0.0560	97	-0.3720	161	0.0430
48	-0.0700	98	0.0340	162	0.3360
49	-0.0860	99	-0.0180	163	0.2820
50	-0.1040	100	-0.2830	164	0.0680
51	-0.1390	101	-0.1810	165	-0.0100

ORF	CP	ORF	CP	ORF	CP
166	0.4550	217	-0.0610	268	-0.0980
167	0.2960	218	-0.0520	269	0.1610
168	0.2310	219	-0.0660	270	0.2240
169	0.0660	220	-0.1150	271	-0.1710
170	0.3830	221	-0.4520	272	-0.1910
171	0.1520	222	-0.3000	273	0.1570
172	-0.0770	223	-0.0970	274	0.2250
173	0.0340	224	-0.0710	275	0.2910
174	-0.0360	225	0.1970	276	0.2200
175	-0.2110	226	0.0200	277	-0.0030
176	-0.2200	227	-0.6390	278	-0.8550
177	-0.1740	228	-0.5960	279	-0.8440
178	-0.3350	229	-0.5100	280	-0.7420
179	-0.2600	230	-0.2610	281	-0.4500
180	-0.2010	231	-0.1050	282	-0.1800
181	0.2250	232	-0.0730	283	-0.1240
182	0.3530	233	-0.0680	284	-0.0850
183	0.3570	234	-0.0910	285	-0.1040
184	0.5320	235	-0.2230	286	-0.1850
185	0.5860	236	-0.1780	287	-0.2370
186	0.6480	237	-0.0430	288	0.1410
187	0.7370	238	0.0080	289	0.2160
188	0.8030	239	0.1830	290	0.1960
189	0.8260	240	0.0590	291	-0.6370
190	-0.1800	241	-0.7560	292	-0.0820
191	-0.1820	242	-0.6960	325	0.0090
192	-0.1810	244	-0.3140	326	0.0090
193	-0.1910	245	-0.1610	327	0.0090
194	-0.1850	246	-0.1120	328	0.0090
195	-0.1800	247	-0.0810	329	0.0090
196	-0.1990	248	-0.0570	330	0.0080
197	-0.1860	249	-0.0350	331	0.0090
198	-0.1840	250	-0.0020	332	0.0080
199	-0.1890	251	-0.1760	333	0.0080
200	-0.1730	252	-0.0340	334	0.0080
201	-0.1740	253	0.2100	335	0.0080
202	-0.1790	254	0.0120	336	0.0090
203	-0.1710	255	-0.8220	337	0.0090
204	-0.1740	256	-0.7770	338	0.0090
205	0.1830	257	-0.7330	339	0.0090
206	0.2200	258	-0.5010	340	0.0090
207	0.2140	259	-0.1870	341	0.0090
208	0.2240	260	-0.1080	350	-0.0510
210	0.1850	261	-0.0750	351	-0.0060
211	0.1820	262	-0.0560	352	-0.0050
212	0.0400	263	-0.1600	353	-0.0050
213	-0.5830	264	-0.0380	354	-0.0020
214	-0.3590	265	0.1750	355	-0.0050
215	-0.2400	266	0.2000		
216	-0.1150	267	-0.1630		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 483
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 21.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 0.701
TUNNEL DYNAMIC PRESSURE(PSF) = 547.
TUNNEL STAGNATION PRESSURE(PSF) = 2209.
TUNNEL STATIC PRESSURE(PSF) = 1591.
REYNOLDS NUMBER PER FOOT = 4.0050E 06
MODEL ANGLE OF ATTACK(DEG) = 4.00
FIN ANGLE(DEG) = -0.16
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCAN VALUE	CP(REF)
147	0.0264
247	0.0274
347	0.0274
447	0.0284
547	0.0344
647	0.0344
747	0.0334

ORF	CP	ORF	CP	ORF	CP
1	-0.1276	52	-0.1816	102	-0.1326
2	-0.4446	53	-0.3476	103	-0.5026
3	-0.4166	54	-0.2566	104	-0.4646
4	-0.2816	55	-0.3976	105	-0.3096
5	-0.1906	56	-0.1796	110	-0.0856
6	-0.1426	57	-0.0546	111	-0.1026
7	-0.1166	58	-0.0646	112	-0.0726
8	-0.0976	59	-0.0766	113	-0.1076
9	-0.0926	60	-0.0986	114	-0.0976
10	-0.0836	61	-0.1236	115	-0.0396
11	-0.0816	62	-0.1676	116	0.0254
12	-0.0896	63	-0.2496	117	0.0344
13	-0.1056	64	-0.4226	118	0.0314
14	-0.1896	65	-0.3976	119	-0.0176
15	-0.1766	66	-0.4116	120	0.0154
16	-0.2576	67	-0.2186	121	-0.0036
17	-0.2296	68	-0.0886	122	-0.0076
18	-0.1826	69	-0.0856	123	-0.1036
19	-0.1496	70	-0.1136	124	-0.0566
20	-0.1206	71	-0.1446	125	-0.0346
21	-0.0966	72	-0.1936	126	-0.0296
22	-0.0876	73	-0.2996	127	-0.0326
23	-0.0836	74	-0.3386	128	-0.1206
24	-0.0796	75	-0.4166	129	-0.0376
25	-0.0826	76	-0.1906	135	0.0134
26	-0.0956	77	-0.1116	136	-0.0066
27	-0.1276	78	-0.1206	137	0.0114
28	-0.2086	79	-0.1506	138	0.0984
29	-0.1816	80	-0.2006	139	0.0954
30	-0.2556	81	-0.3316	140	0.0954
32	-0.1066	82	-0.3076	141	0.1144
33	-0.0936	83	-0.3686	142	0.1114
34	-0.0826	84	-0.2316	143	0.1184
35	-0.0746	85	-0.1226	145	-0.0026
36	-0.0716	86	-0.1246	147	0.1094
37	-0.0776	87	-0.1736	151	0.0834
38	-0.0846	88	-0.2736	152	-0.1186
39	-0.1016	89	-0.2836	153	-0.1556
40	-0.1366	90	-0.3756	154	-0.2076
41	-0.2136	91	-0.2106	155	0.2364
42	-0.1906	92	-0.1336	156	0.1024
43	-0.3886	93	-0.1516	157	-0.0566
44	-0.0956	94	-0.2156	158	0.2864
45	-0.0556	95	-0.2236	159	0.2484
46	-0.0516	96	-0.0836	160	0.1804
47	-0.0636	97	-0.3476	161	0.0414
48	-0.0706	98	0.1064	162	0.3324
49	-0.0836	99	0.0424	163	0.2854
50	-0.1006	100	-0.2206	164	0.0974
51	-0.1356	101	-0.1696	165	0.0074

ORF	CP	ORF	CP	ORF	CP
166	0.4594	217	0.0254	268	-0.0516
167	0.3104	218	0.0304	269	0.1894
168	0.2544	219	0.0164	270	0.2284
169	0.0914	220	-0.0456	271	-0.1486
170	0.4054	221	-0.4766	272	-0.1436
171	0.1824	222	-0.2936	273	0.2134
172	-0.0576	223	-0.0456	274	0.2444
173	0.0754	224	-0.0016	275	0.3184
174	-0.0056	225	0.3054	276	0.1944
175	-0.1806	226	0.1114	277	-0.0156
176	-0.2156	227	-0.5886	278	-0.8316
177	-0.1596	228	-0.5586	279	-0.8316
178	-0.2656	229	-0.4936	280	-0.7116
179	-0.0866	230	-0.2526	281	-0.4616
180	-0.1866	231	-0.0416	282	-0.1866
181	0.1844	232	-0.0116	283	-0.1146
182	0.2904	233	-0.0026	284	-0.0676
183	0.2784	234	-0.0346	285	-0.0726
184	0.4264	235	-0.1916	286	-0.1516
185	0.4924	236	-0.1466	287	-0.1986
186	0.5274	237	0.0224	288	0.2024
187	0.5924	238	0.0614	289	0.2644
188	0.6594	239	0.2144	290	0.2194
189	0.6994	240	0.0874	291	-0.6836
190	-0.1666	241	-0.7386	292	-0.0696
191	-0.1666	242	-0.6226	325	0.0164
192	-0.1786	244	-0.2556	326	0.0174
193	-0.1826	245	-0.1256	327	0.0124
194	-0.1746	246	-0.0696	328	0.0104
195	-0.1716	247	-0.0306	329	0.0134
196	-0.1926	248	-0.0166	330	0.0134
197	-0.1796	249	0.0074	331	0.0174
198	-0.1726	250	0.0224	332	0.0124
199	-0.1746	251	-0.1376	333	0.0104
200	-0.1746	252	-0.0016	334	0.0114
201	-0.1666	253	0.2294	335	0.0124
202	-0.1686	254	0.0274	336	0.0144
203	-0.1726	255	-0.7856	337	0.0174
204	-0.1626	256	-0.7496	338	0.0194
205	0.2334	257	-0.7086	339	0.0144
206	0.2814	258	-0.4976	340	0.0114
207	0.2754	259	-0.1766	341	0.0144
208	0.2924	260	-0.0936	350	-0.0196
210	0.1554	261	-0.0596	351	0.0204
211	0.3404	262	-0.0316	352	0.0224
212	0.1824	263	-0.1236	353	0.0194
213	-0.5906	264	0.0004	354	0.0214
214	-0.2966	265	0.1894	355	0.0194
215	-0.1766	266	0.2214		
216	-0.0276	267	-0.1346		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 484
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 21.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 0.703
TUNNEL DYNAMIC PRESSURE(PSF) = 549.
TUNNEL STAGNATION PRESSURE(PSF) = 2210.
TUNNEL STATIC PRESSURE(PSF) = 1589.
REYNOLDS NUMBER PER FOOT = 4.0120E 06
MODEL ANGLE OF ATTACK(DEG) = 6.01
FIN ANGLE(DEG) = -0.18
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALUE	CP(REF)
147	0.0296
247	0.0276
347	0.0286
447	0.0296
547	0.0176
647	0.0166
747	0.0176

ORF	CP	ORF	CP	ORF	CP
1	-0.3364	52	-0.1864	102	-0.1394
2	-0.5794	53	-0.3614	103	-0.5074
3	-0.5414	54	-0.2584	104	-0.4474
4	-0.3864	55	-0.5774	105	-0.3004
5	-0.2614	56	-0.5594	110	-0.1264
6	-0.2034	57	-0.3754	111	-0.1534
7	-0.1524	58	-0.1854	112	-0.1154
8	-0.1224	59	-0.1144	113	-0.1514
9	-0.1154	60	-0.1044	114	-0.1214
10	-0.1054	61	-0.1214	115	-0.0854
11	-0.0944	62	-0.1664	116	-0.0124
12	-0.0994	63	-0.2484	117	-0.0004
13	-0.1164	64	-0.4094	118	0.0016
14	-0.2104	65	-0.3884	119	-0.0394
15	-0.1874	66	-0.5394	120	-0.0214
16	-0.5404	67	-0.5444	121	-0.0464
17	-0.3524	68	-0.4304	122	-0.0434
18	-0.2824	69	-0.2944	123	-0.1554
19	-0.2294	70	-0.1744	124	-0.0704
20	-0.1814	71	-0.1564	125	-0.0634
21	-0.1494	72	-0.1914	126	-0.0494
22	-0.1214	73	-0.2794	127	-0.0574
23	-0.1124	74	-0.3324	128	-0.1594
24	-0.1034	75	-0.5244	129	-0.0744
25	-0.1084	76	-0.4934	135	-0.0224
26	-0.1124	77	-0.4744	136	-0.0354
27	-0.1434	78	-0.3314	137	-0.0274
28	-0.2264	79	-0.2324	138	0.0576
29	-0.1934	80	-0.2164	139	0.0586
30	-0.8414	81	-0.2894	140	0.0606
32	-0.1124	82	-0.2894	141	0.0686
33	-0.1214	83	-0.4424	142	0.0656
34	-0.1174	84	-0.5034	143	0.0706
35	-0.1064	85	-0.4374	145	-0.0384
36	-0.1034	86	-0.3404	147	0.0646
37	-0.0974	87	-0.2454	151	0.0636
38	-0.1134	88	-0.2684	152	-0.1174
39	-0.1244	89	-0.2704	153	-0.1864
40	-0.1604	90	-0.4114	154	-0.2544
41	-0.2404	91	-0.3884	155	0.2886
42	-0.1914	92	-0.3814	156	0.0806
43	-0.6934	93	-0.3544	157	-0.0754
44	-0.5774	94	-0.3234	158	0.3116
45	-0.2544	95	-0.2584	159	0.2776
46	-0.0654	96	-0.0284	160	0.2046
47	-0.0514	97	-0.3444	161	0.0506
48	-0.0724	98	0.1586	162	0.3806
49	-0.0864	99	0.0836	163	0.3146
50	-0.1024	100	-0.2054	164	0.0536
51	-0.1374	101	-0.1844	165	0.0136

ORF	CP	ORF	CP	ORF	CP
166	0.5106	217	0.0426	268	-0.0634
167	0.3376	218	0.0446	269	0.1776
168	0.2816	219	0.0176	270	0.2236
169	0.0946	220	-0.0614	271	-0.1704
170	0.4086	221	-0.4854	272	-0.1734
171	0.2136	222	-0.3234	273	0.2136
172	-0.0554	223	-0.0694	274	0.2386
173	0.1046	224	-0.0334	275	0.3356
174	0.0086	225	0.2776	276	0.1356
175	-0.1754	226	0.0856	277	-0.0724
176	-0.2424	227	-0.6104	278	-0.9954
177	-0.1874	228	-0.5704	279	-0.9794
178	-0.2044	229	-0.5034	280	-0.8864
179	-0.0254	230	-0.2544	281	-0.6584
180	-0.2044	231	-0.0544	282	-0.3234
181	0.1496	232	-0.0134	283	-0.2004
182	0.2626	233	-0.0144	284	-0.1124
183	0.1766	234	-0.0414	285	-0.1124
184	0.3226	235	-0.2134	286	-0.1814
185	0.3846	236	-0.1834	287	-0.2264
186	0.4586	237	-0.0234	288	0.2096
187	0.4986	238	0.0366	289	0.2956
188	0.5636	239	0.1706	290	0.1896
189	0.5756	240	0.0446	291	-0.7144
190	-0.1894	241	-0.8034	292	-0.1084
191	-0.1984	242	-0.7084	325	-0.0044
192	-0.1984	244	-0.3224	326	-0.0024
193	-0.2014	245	-0.1644	327	-0.0024
194	-0.1974	246	-0.1044	328	-0.0034
195	-0.1924	247	-0.0614	329	-0.0044
196	-0.2004	248	-0.0364	330	-0.0074
197	-0.2024	249	-0.0174	331	-0.0044
198	-0.1964	250	-0.0164	332	-0.0024
199	-0.2044	251	-0.1654	333	-0.0034
200	-0.1994	252	-0.0194	334	-0.0054
201	-0.1904	253	0.1566	335	-0.0084
202	-0.1914	254	-0.0514	336	-0.0014
203	-0.1944	255	-0.8174	337	-0.0044
204	-0.1914	256	-0.8144	338	-0.0024
205	0.2316	257	-0.8014	339	-0.0024
206	0.3086	258	-0.6364	340	-0.0024
207	0.2826	259	-0.2844	341	-0.0034
208	0.2966	260	-0.1634	350	-0.0414
210	0.1526	261	-0.0934	351	-0.0134
211	0.2796	262	-0.0624	352	-0.0174
212	0.1436	263	-0.1464	353	-0.0164
213	-0.4874	264	-0.0074	354	-0.0154
214	-0.2434	265	0.1726	355	-0.0164
215	-0.1294	266	0.2006		
216	-0.0004	267	-0.1564		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 485
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 21.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 0.698
TUNNEL DYNAMIC PRESSURE(PSF) = 545.
TUNNEL STAGNATION PRESSURE(PSF) = 2209.
TUNNEL STATIC PRESSURE(PSF) = 1595.
REYNOLDS NUMBER PER FOOT = 3.9980E 06
MODEL ANGLE OF ATTACK(DEG) = 7.94
FIN ANGLE(DEG) = -0.19
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE	CP(REF)
147	0.0244
247	0.0214
347	0.0224
447	0.0224
547	-0.0036
647	-0.0046
747	-0.0026

ORF	CP	ORF	CP	ORF	CP
1	-0.5766	52	-0.1726	102	-0.1306
2	-0.6476	53	-0.3546	103	-0.5116
3	-0.6136	54	-0.2456	104	-0.4216
4	-0.5036	55	-0.6916	105	-0.2856
5	-0.3596	56	-0.7036	110	-0.1586
6	-0.2606	57	-0.6466	111	-0.1806
7	-0.1986	58	-0.5256	112	-0.1386
8	-0.1576	59	-0.3606	113	-0.1776
9	-0.1246	60	-0.2276	114	-0.1286
10	-0.1186	61	-0.1416	115	-0.1066
11	-0.1066	62	-0.1376	116	-0.0356
12	-0.1046	63	-0.1856	117	-0.0156
13	-0.1156	64	-0.3566	118	-0.0216
14	-0.2046	65	-0.3406	119	-0.0776
15	-0.1816	66	-0.6186	120	-0.0406
16	-0.7846	67	-0.6446	121	-0.0686
17	-0.5716	68	-0.6116	122	-0.0686
18	-0.4236	69	-0.5286	123	-0.1366
19	-0.3246	70	-0.4346	124	-0.1026
20	-0.2396	71	-0.3546	125	-0.0876
21	-0.1796	72	-0.2826	126	-0.0716
22	-0.1416	73	-0.2836	127	-0.0806
23	-0.1246	74	-0.3096	128	-0.1926
24	-0.1086	75	-0.5756	129	-0.0976
25	-0.0996	76	-0.5686	135	-0.0476
26	-0.1066	77	-0.5896	136	-0.0566
27	-0.1356	78	-0.5506	137	-0.0516
28	-0.2316	79	-0.4696	138	0.0394
29	-0.1836	80	-0.3956	139	0.0324
30	-1.0916	81	-0.3496	140	0.0374
32	-0.1026	82	-0.2986	141	0.0564
33	-0.1306	83	-0.4696	142	0.0474
34	-0.1426	84	-0.5196	143	0.0584
35	-0.1316	85	-0.5206	145	-0.0556
36	-0.1206	86	-0.4946	147	0.0404
37	-0.1126	87	-0.4376	151	0.0864
38	-0.1226	88	-0.3676	152	-0.1096
39	-0.1366	89	-0.2876	153	-0.1896
40	-0.1646	90	-0.4066	154	-0.2556
41	-0.2346	91	-0.3696	155	0.2984
42	-0.1886	92	-0.3516	156	0.0774
43	-0.9046	93	-0.3356	157	-0.0896
44	-0.8836	94	-0.3006	158	0.3264
45	-0.6156	95	-0.2416	159	0.2784
46	-0.1886	96	0.0134	160	0.2044
47	-0.0186	97	-0.3206	161	0.0324
48	-0.0226	98	0.2224	162	0.4264
49	-0.0516	99	0.1414	163	0.3374
50	-0.0826	100	-0.1686	164	0.0354
51	-0.1106	101	-0.1886	165	0.0134

ORF	CP	ORF	CP	ORF	CP
166	0.5634	217	0.0854	268	-0.0506
167	0.3604	218	0.0864	269	0.1694
168	0.2964	219	0.0524	270	0.2084
169	0.1004	220	-0.0216	271	-0.1856
170	0.4544	221	-0.4866	272	-0.1586
171	0.2474	222	-0.3476	273	0.1934
172	-0.0536	223	-0.0476	274	0.2384
173	0.1104	224	-0.0126	275	0.3694
174	0.0264	225	0.3194	276	0.1034
175	-0.1896	226	0.1064	277	-0.0946
176	-0.2366	227	-0.6436	278	-1.0746
177	-0.1706	228	-0.6026	279	-1.0546
178	-0.1316	229	-0.5186	280	-0.9666
179	0.0284	230	-0.2546	281	-0.8016
180	-0.2206	231	-0.0486	282	-0.4656
181	0.1584	232	-0.0036	283	-0.2756
182	0.2914	233	-0.0046	284	-0.1386
183	0.1114	234	-0.0316	285	-0.1246
184	0.2184	235	-0.2156	286	-0.1916
185	0.2924	236	-0.2046	287	-0.2156
186	0.3534	237	-0.0156	288	0.2074
187	0.4314	238	0.0344	289	0.3154
188	0.4884	239	0.1744	290	0.1854
189	0.5094	240	0.0334	291	-0.7696
190	-0.1916	241	-0.8736	292	-0.1456
191	-0.2046	242	-0.8066	325	-0.0116
192	-0.1976	244	-0.4236	326	-0.0076
193	-0.2136	245	-0.1996	327	-0.0076
194	-0.2106	246	-0.1196	328	-0.0126
195	-0.2046	247	-0.0626	329	-0.0056
196	-0.2306	248	-0.0346	330	-0.0056
197	-0.2096	249	-0.0126	331	-0.0096
198	-0.2086	250	-0.0346	332	-0.0076
199	-0.2106	251	-0.1826	333	-0.0116
200	-0.2046	252	-0.0166	334	-0.0066
201	-0.2026	253	0.1274	335	-0.0066
202	-0.2066	254	-0.0886	336	-0.0116
203	-0.1996	255	-0.8596	337	-0.0116
204	-0.2056	256	-0.8586	338	-0.0086
205	0.2364	257	-0.8616	339	-0.0076
206	0.3294	258	-0.7856	340	-0.0106
207	0.2954	259	-0.4566	341	-0.0046
208	0.3084	260	-0.2456	350	-0.0626
210	0.1194	261	-0.1196	351	-0.0356
211	0.3774	262	-0.0786	352	-0.0366
212	0.2234	263	-0.1416	353	-0.0386
213	-0.5636	264	0.0014	354	-0.0376
214	-0.2246	265	0.1694	355	-0.0346
215	-0.1096	266	0.1894		
216	0.0364	267	-0.1706		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 486
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 21.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 0.699
TUNNEL DYNAMIC PRESSURE(PSF) = 546.
TUNNEL STAGNATION PRESSURE(PSF) = 2210.
TUNNEL STATIC PRESSURE(PSF) = 1594.
REYNOLDS NUMBER PER FOOT = 4.0020E 06
MODEL ANGLE OF ATTACK(DEG) = 11.96
FIN ANGLE(DEG) = -0.23
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE	CP(REF)
147	0.0236
247	0.0226
347	0.0226
447	0.0236
547	0.0066
647	0.0066
747	0.0066

ORF	CP	ORF	CP	ORF	CP
1	-0.8424	52	-0.0824	102	-0.1254
2	-0.7934	53	-0.2844	103	-0.5824
3	-0.6694	54	-0.2034	104	-0.4554
4	-0.5964	55	-0.8884	105	-0.3384
5	-0.5074	56	-0.9394	110	-0.2044
6	-0.3804	57	-0.9774	111	-0.2314
7	-0.2954	58	-0.9814	112	-0.1834
8	-0.2334	59	-0.9094	113	-0.2194
9	-0.1834	60	-0.7894	114	-0.1314
10	-0.1444	61	-0.5904	115	-0.1774
11	-0.1264	62	-0.3074	116	-0.0624
12	-0.1104	63	-0.1684	117	-0.0654
13	-0.1154	64	-0.2044	118	-0.0694
14	-0.1954	65	-0.2544	119	-0.1004
15	-0.1824	66	-0.7544	120	-0.0534
16	-1.0974	67	-0.7604	121	-0.0864
17	-1.1504	68	-0.7784	122	-0.0894
18	-0.8634	69	-0.7794	123	-0.2234
19	-0.4914	70	-0.7694	124	-0.1274
20	-0.2564	71	-0.7474	125	-0.1064
21	-0.1884	72	-0.6924	126	-0.1004
22	-0.1454	73	-0.6094	127	-0.1044
23	-0.1274	74	-0.4684	128	-0.2284
24	-0.1054	75	-0.6324	129	-0.1214
25	-0.0984	76	-0.6284	135	-0.0684
26	-0.1004	77	-0.6164	136	-0.0814
27	-0.1234	78	-0.6074	137	-0.0714
28	-0.2294	79	-0.5724	138	0.0236
29	-0.1904	80	-0.5204	139	0.0176
30	-1.3034	81	-0.4594	140	0.0226
32	-0.9464	82	-0.3864	141	0.0656
33	-0.4224	83	-0.4534	142	0.0306
34	-0.1624	84	-0.4754	143	0.0976
35	-0.1104	85	-0.4484	145	-0.0794
36	-0.1044	86	-0.4144	147	0.0366
37	-0.1034	87	-0.3814	151	0.0996
38	-0.0964	88	-0.3424	152	-0.0924
39	-0.1094	89	-0.3124	153	-0.2174
40	-0.1314	90	-0.3534	154	-0.2694
41	-0.2154	91	-0.3294	155	0.2616
42	-0.1714	92	-0.3144	156	0.0276
43	-1.0504	93	-0.2944	157	-0.1164
44	-1.1694	94	-0.2784	158	0.3326
45	-1.2684	95	-0.2594	159	0.2396
46	-1.1914	96	0.1516	160	0.1476
47	-0.5604	97	-0.2704	161	-0.0044
48	-0.0654	98	0.3216	162	0.4326
49	0.0076	99	0.2436	163	0.3196
50	0.0136	100	-0.1394	164	0.0166
51	-0.0264	101	-0.1984	165	-0.0084

ORF	CP	ORF	CP	ORF	CP
166	0.6116	217	0.2016	268	0.0046
167	0.3696	218	0.1936	269	0.1646
168	0.3016	219	0.1436	270	0.2076
169	0.0946	220	0.0416	271	-0.1934
170	0.4946	221	-0.5194	272	-0.0424
171	0.2706	222	-0.3464	273	0.1826
172	-0.0544	223	-0.0794	274	0.2396
173	0.1336	224	-0.0084	275	0.4026
174	0.0396	225	0.4326	276	0.0066
175	-0.1834	226	0.1856	277	-0.1884
176	-0.2664	227	-0.6354	278	-1.0484
177	-0.1274	228	-0.5934	279	-1.0104
178	-0.0154	229	-0.5564	280	-0.9924
179	0.0636	230	-0.3044	281	-0.9054
180	-0.2244	231	-0.0194	282	-0.6244
181	0.1186	232	0.0446	283	-0.3964
182	0.2326	233	0.0536	284	-0.1664
183	0.0276	234	0.0166	285	-0.1154
184	0.1026	235	-0.2044	286	-0.2064
185	0.1486	236	-0.2224	287	-0.0814
186	0.2336	237	0.0006	288	0.2256
187	0.2936	238	0.0686	289	0.3766
188	0.3616	239	0.1586	290	0.1866
189	0.3906	240	0.0146	291	-1.3484
190	-0.2144	241	-0.9104	292	-0.1804
191	-0.2254	242	-0.8784	325	-0.0244
192	-0.2254	244	-0.5764	326	-0.0254
193	-0.2264	245	-0.2724	327	-0.0234
194	-0.2234	246	-0.1354	328	-0.0274
195	-0.2344	247	-0.0484	329	-0.0264
196	-0.2444	248	-0.0134	330	-0.0234
197	-0.2374	249	0.0106	331	-0.0254
198	-0.2344	250	-0.0454	332	-0.0254
199	-0.2374	251	-0.1954	333	-0.0274
200	-0.2314	252	0.0016	334	-0.0264
201	-0.2234	253	0.0656	335	-0.0234
202	-0.2294	254	-0.1444	336	-0.0224
203	-0.2334	255	-0.9084	337	-0.0224
204	-0.2234	256	-0.9164	338	-0.0234
205	0.2636	257	-0.9064	339	-0.0224
206	0.3756	258	-0.8674	340	-0.0274
207	0.3346	259	-0.6054	341	-0.0254
208	0.3526	260	-0.3844	350	-0.0984
210	0.0486	261	-0.1614	351	-0.0424
211	0.5386	262	-0.0844	352	-0.0424
212	0.3686	263	-0.1194	353	-0.0414
213	-0.4704	264	0.0376	354	-0.0454
214	-0.1634	265	0.1776	355	-0.0444
215	-0.0144	266	0.1796		
216	0.1646	267	-0.1494		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 487
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 21.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 0.701
TUNNEL DYNAMIC PRESSURE(PSF) = 547.
TUNNEL STAGNATION PRESSURE(PSF) = 2210.
TUNNEL STATIC PRESSURE(PSF) = 1592.
REYNOLDS NUMBER PER FOOT = 4.0060E 06
MODEL ANGLE OF ATTACK(DEG) = 14.14
FIN ANGLE(DEG) = -0.22
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE	CP(REF)
147	0.0246
247	0.0226
347	0.0246
447	0.0246
547	0.0356
647	0.0356
747	0.0356

ORF	CP	ORF	CP	ORF	CP
1	-0.9624	52	-0.0174	102	-0.1174
2	-0.9824	53	-0.1964	103	-0.6254
3	-0.7304	54	-0.1584	104	-0.4744
4	-0.6244	55	-0.9084	105	-0.3654
5	-0.5184	56	-0.9384	110	-0.2114
6	-0.4104	57	-1.0014	111	-0.2364
7	-0.3144	58	-1.0814	112	-0.1834
8	-0.2364	59	-1.0824	113	-0.2154
9	-0.1804	60	-0.9924	114	-0.1074
10	-0.1424	61	-0.8374	115	-0.1864
11	-0.1154	62	-0.6304	116	-0.0544
12	-0.1034	63	-0.3954	117	-0.0914
13	-0.1064	64	-0.2864	118	-0.0934
14	-0.1744	65	-0.2864	119	-0.1134
15	-0.1644	66	-0.7384	120	-0.0324
16	-1.2644	67	-0.7644	121	-0.0944
17	-1.3994	68	-0.7634	122	-0.0834
18	-1.1664	69	-0.8044	123	-0.2294
19	-0.6584	70	-0.8254	124	-0.1114
20	-0.2404	71	-0.7954	125	-0.1034
21	-0.1464	72	-0.7234	126	-0.0904
22	-0.1304	73	-0.6304	127	-0.0934
23	-0.1134	74	-0.4954	128	-0.2204
24	-0.0964	75	-0.5864	129	-0.1144
25	-0.0884	76	-0.5804	135	-0.0534
26	-0.0904	77	-0.5584	136	-0.0604
27	-0.1134	78	-0.5264	137	-0.0524
28	-0.2134	79	-0.5234	138	0.0526
29	-0.1744	80	-0.4944	139	0.0486
30	-1.4304	81	-0.4574	140	0.0506
32	-1.3254	82	-0.4064	141	0.1046
33	-0.9384	83	-0.4044	142	0.0656
34	-0.3154	84	-0.4444	143	0.1366
35	-0.0504	85	-0.4144	145	-0.0634
36	-0.0174	86	-0.3824	147	0.0586
37	-0.0294	87	-0.3634	151	0.0976
38	-0.0444	88	-0.3534	152	-0.1044
39	-0.0624	89	-0.3424	153	-0.2264
40	-0.0954	90	-0.3284	154	-0.2864
41	-0.1834	91	-0.3064	155	0.2516
42	-0.1554	92	-0.2884	156	0.0226
43	-1.1404	93	-0.2874	157	-0.1324
44	-1.2704	94	-0.2874	158	0.3426
45	-1.4224	95	-0.2954	159	0.2196
46	-1.4664	96	0.2376	160	0.1286
47	-1.1834	97	-0.2364	161	-0.0234
48	-0.4484	98	0.3806	162	0.4506
49	-0.0364	99	0.2876	163	0.3136
50	0.0486	100	-0.1284	164	0.0426
51	0.0296	101	-0.1954	165	-0.0204

ORF	CP	ORF	CP	ORF	CP
166	0.6146	217	0.2946	268	0.0516
167	0.3626	218	0.2776	269	0.1956
168	0.2966	219	0.2066	270	0.2436
169	0.0816	220	0.1026	271	-0.1504
170	0.4286	221	-0.5624	272	0.0126
171	0.2796	222	-0.3554	273	0.2236
172	-0.0464	223	-0.0754	274	0.2776
173	0.1616	224	0.0126	275	0.4346
174	0.0456	225	0.4876	276	-0.0704
175	-0.1324	226	0.2196	277	-0.2434
176	-0.2774	227	-0.5214	278	-1.1094
177	-0.1434	228	-0.5064	279	-1.0574
178	-0.0164	229	-0.4614	280	-1.0334
179	0.0466	230	-0.2134	281	-0.9424
180	-0.2404	231	0.0326	282	-0.6264
181	0.1266	232	0.0876	283	-0.3734
182	0.2386	233	0.0946	284	-0.1424
183	0.0296	234	0.0556	285	-0.0804
184	0.0926	235	-0.1784	286	-0.1784
185	0.1486	236	-0.2064	287	-0.0014
186	0.2216	237	0.0186	288	0.2606
187	0.2726	238	0.0926	289	0.4366
188	0.3146	239	0.1406	290	0.2196
189	0.3516	240	0.0066	291	-1.4394
190	-0.2234	241	-0.8744	292	-0.1794
191	-0.2314	242	-0.8374	325	-0.0294
192	-0.2284	244	-0.5524	326	-0.0284
193	-0.2404	245	-0.2284	327	-0.0274
194	-0.2314	246	-0.1074	328	-0.0254
195	-0.2404	247	-0.0174	329	-0.0254
196	-0.2674	248	0.0216	330	-0.0274
197	-0.2454	249	0.0416	331	-0.0294
198	-0.2434	250	-0.0214	332	-0.0274
199	-0.2484	251	-0.1624	333	-0.0264
200	-0.2394	252	0.0366	334	-0.0254
201	-0.2364	253	0.0466	335	-0.0274
202	-0.2364	254	-0.1534	336	-0.0284
203	-0.2354	255	-0.9554	337	-0.0284
204	-0.2334	256	-0.9664	338	-0.0284
205	0.3086	257	-0.9524	339	-0.0284
206	0.4226	258	-0.8904	340	-0.0254
207	0.3746	259	-0.6054	341	-0.0254
208	0.4006	260	-0.3714	350	-0.0954
210	0.0546	261	-0.1414	351	-0.0234
211	0.6556	262	-0.0664	352	-0.0214
212	0.4506	263	-0.0784	353	-0.0234
213	-0.5104	264	0.0726	354	-0.0244
214	-0.1194	265	0.2036	355	-0.0234
215	0.0806	266	0.2266		
216	0.2536	267	-0.1084		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 488
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 21.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 0.704
TUNNEL DYNAMIC PRESSURE(PSF) = 550.
TUNNEL STAGNATION PRESSURE(PSF) = 2210.
TUNNEL STATIC PRESSURE(PSF) = 1588.
REYNOLDS NUMBER PER FOOT = 4.0170E 06
MODEL ANGLE OF ATTACK(DEG) = 0.12
FIN ANGLE(DEG) = -0.21
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 540.

SCANIVALE	CP(REF)
147	0.0307
247	0.0297
347	0.0307
447	0.0307
547	0.0357
647	0.0347
747	0.0347

ORF	CP	ORF	CP	ORF	CP
1	-0.0533	52	-0.1813	102	-0.1593
2	-0.3663	53	-0.3643	103	-0.5013
3	-0.3163	54	-0.2743	104	-0.4853
4	-0.2033	55	0.0487	105	-0.3053
5	-0.1213	56	0.0187	110	-0.0793
6	-0.0853	57	0.0027	111	-0.1003
7	-0.0723	58	-0.0223	112	-0.0733
8	-0.0643	59	-0.0483	113	-0.1093
9	-0.0623	60	-0.0723	114	-0.1163
10	-0.0623	61	-0.1073	115	-0.0353
11	-0.0713	62	-0.1573	116	0.0177
12	-0.0813	63	-0.2423	117	0.0267
13	-0.1093	64	-0.4433	118	0.0297
14	-0.2143	65	-0.4083	119	-0.0083
15	-0.1873	66	0.0317	120	0.0087
16	-0.1183	67	0.0037	121	-0.0083
17	-0.1143	68	-0.0223	122	-0.0093
18	-0.0863	69	-0.0473	123	-0.1163
19	-0.0723	70	-0.0833	124	-0.0363
20	-0.0563	71	-0.1263	125	-0.0283
21	-0.0513	72	-0.1863	126	-0.0073
22	-0.0493	73	-0.3033	127	-0.0203
23	-0.0553	74	-0.3573	128	-0.1163
24	-0.0623	75	0.0217	129	-0.0463
25	-0.0693	76	-0.0203	135	0.0107
26	-0.0873	77	-0.0573	136	0.0107
27	-0.1333	78	-0.0973	137	0.0117
28	-0.2353	79	-0.1403	138	0.0887
29	-0.2003	80	-0.2033	139	0.0857
30	-0.0223	81	-0.3453	140	0.0877
32	-0.0333	82	-0.3223	141	0.0967
33	-0.0333	83	-0.0033	142	0.0997
34	-0.0363	84	-0.0503	143	0.0997
35	-0.0393	85	-0.0943	145	0.0087
36	-0.0443	86	-0.1383	147	0.1017
37	-0.0553	87	-0.1873	151	0.0077
38	-0.0683	88	-0.2843	152	-0.1653
39	-0.0943	89	-0.3013	153	-0.2053
40	-0.1363	90	-0.0583	154	-0.2623
41	-0.2383	91	-0.0963	155	0.1427
42	-0.2003	92	-0.1283	156	0.1177
43	0.0327	93	-0.1663	157	-0.0623
44	0.0137	94	-0.2353	158	0.3927
45	-0.0073	95	-0.2443	159	0.2967
46	-0.0193	96	-0.3183	160	0.2067
47	-0.0303	97	-0.4023	161	0.0597
48	-0.0413	98	-0.0223	162	0.3487
49	-0.0623	99	-0.0673	163	0.3047
50	-0.0893	100	-0.2633	164	0.0917
51	-0.1273	101	-0.1783	165	-0.0003

ORF	CP	ORF	CP	ORF	CP
166	0.4157	217	-0.0963	268	-0.1013
167	0.3097	218	-0.0853	269	0.1807
168	0.2417	219	-0.0793	270	0.2567
169	0.0717	220	-0.1193	271	-0.1703
170	0.3517	221	-0.4773	272	-0.1933
171	0.1777	222	-0.2963	273	0.1287
172	-0.0813	223	-0.0273	274	0.2117
173	0.0357	224	-0.0333	275	0.2997
174	-0.0393	225	0.1697	276	0.2467
175	-0.2253	226	-0.0073	277	0.0437
176	-0.2383	227	-0.6853	278	-0.7813
177	-0.2193	228	-0.6193	279	-0.7773
178	-0.4003	229	-0.5203	280	-0.6773
179	-0.3543	230	-0.2593	281	-0.3893
180	-0.2083	231	-0.1233	282	-0.1193
181	0.3117	232	-0.0943	283	-0.0713
182	0.4547	233	-0.0763	284	-0.0483
183	0.4397	234	-0.0943	285	-0.0813
184	0.6127	235	-0.2273	286	-0.1743
185	0.6827	236	-0.1683	287	-0.2353
186	0.7567	237	-0.0133	288	0.1007
187	0.8017	238	0.0217	289	0.2217
188	0.8487	239	0.1827	290	0.2017
189	0.8837	240	0.0587	291	-0.4853
190	-0.1753	241	-0.6453	292	-0.0433
191	-0.1763	242	-0.6013	325	0.0097
192	-0.1883	244	-0.2673	326	0.0087
193	-0.1903	245	-0.1283	327	0.0097
194	-0.1763	246	-0.0903	328	0.0087
195	-0.1783	247	-0.0683	329	0.0097
196	-0.1983	248	-0.0583	330	0.0107
197	-0.1843	249	-0.0393	331	0.0087
198	-0.1813	250	0.0157	332	0.0087
199	-0.1903	251	-0.1643	333	0.0077
200	-0.1733	252	-0.0343	334	0.0087
201	-0.1723	253	0.1967	335	0.0097
202	-0.1713	254	0.0117	336	0.0097
203	-0.1763	255	-0.7283	337	0.0087
204	-0.1683	256	-0.6983	338	0.0087
205	0.1737	257	-0.6343	339	0.0087
206	0.1967	258	-0.4123	340	0.0087
207	0.2027	259	-0.1263	341	0.0097
208	0.2037	260	-0.0753	350	-0.0103
210	0.2587	261	-0.0583	351	0.0137
211	0.2067	262	-0.0433	352	0.0167
212	0.0367	263	-0.1523	353	0.0127
213	-0.8123	264	-0.0453	354	0.0137
214	-0.5903	265	0.1837	355	0.0107
215	-0.4793	266	0.2197		
216	-0.2183	267	-0.1603		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 494
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 31.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.350
TUNNEL DYNAMIC PRESSURE(PSF) = 807.
TUNNEL STAGNATION PRESSURE(PSF) = 1878.
TUNNEL STATIC PRESSURE(PSF) = 633.
REYNOLDS NUMBER PER FOOT = 4.0050E 06
MODEL ANGLE OF ATTACK(DEG) = -14.21
FIN ANGLE(DEG) = -0.27
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 547.

SCAN VALUE	CP(REF)
147	1.1986
247	1.1976
347	1.1986
447	1.1986
547	1.1906
647	1.1896
747	1.1896

ORF	CP	ORF	CP	ORF	CP
1	0.0116	52	-0.0334	102	-0.1404
2	-0.1194	53	-0.1364	103	-0.3944
3	-0.1074	54	-0.1514	104	-0.3744
4	-0.0644	55	0.0916	105	-0.2604
5	-0.0204	56	0.0986	110	-0.2634
6	-0.0114	57	0.0896	111	-0.2584
7	-0.0004	58	0.0816	112	-0.2614
8	0.0066	59	0.0856	113	-0.2844
9	0.0046	60	0.0916	114	-0.2164
10	-0.0064	61	0.0726	115	-0.2874
11	-0.0164	62	0.0526	116	-0.2684
12	-0.0244	63	0.0066	117	-0.2244
13	-0.0364	64	-0.1504	118	-0.2494
14	-0.1044	65	-0.1524	119	-0.2224
15	-0.1354	66	0.1736	120	-0.0484
16	-0.1054	67	0.1656	121	-0.0034
17	-0.1024	68	0.1576	122	-0.1434
18	-0.0544	69	0.1516	123	-0.2904
19	-0.0254	70	0.1276	124	-0.1984
20	-0.0154	71	0.1156	125	-0.1894
21	-0.0014	72	0.0846	126	-0.1664
22	0.0056	73	0.0516	127	-0.1794
23	0.0046	74	-0.1184	128	-0.2934
24	-0.0054	75	0.2966	129	-0.2094
25	-0.0114	76	0.2596	135	-0.1524
26	-0.0164	77	0.2436	136	-0.1554
27	-0.0254	78	0.2306	137	-0.1484
28	-0.0954	79	0.1896	138	-0.0634
29	-0.1394	80	0.1576	139	-0.0554
30	-0.0814	81	0.0616	140	-0.0454
32	-0.0244	82	-0.0964	141	0.0776
33	-0.0154	83	0.3336	142	0.0356
34	-0.0074	84	0.3236	143	0.0676
35	0.0016	85	0.2906	145	-0.1564
36	0.0076	86	0.2416	147	0.0416
37	-0.0044	87	0.1766	151	-0.0094
38	-0.0114	88	0.0856	152	-0.1514
39	-0.0244	89	-0.1174	153	-0.2734
40	-0.0434	90	0.3756	154	-0.3774
41	-0.1064	91	0.2726	155	0.1646
42	-0.1524	92	0.1646	156	0.0266
43	0.0136	93	0.1036	157	-0.0964
44	0.0206	94	0.0256	158	0.2126
45	0.0326	95	-0.1814	159	0.1326
46	0.0276	96	0.1026	160	0.0836
47	0.0356	97	-0.1384	161	0.0006
48	0.0226	98	-0.0684	162	0.2376
49	0.0186	99	-0.1964	163	0.1676
50	0.0236	100	-0.2904	164	-0.0614
51	0.0046	101	-0.1674	165	0.0136

ORF	CP	ORF	CP	ORF	CP
166	0.4316	217	-0.4144	268	-0.0864
167	0.2226	218	-0.3654	269	0.0956
168	0.1816	219	-0.2304	270	0.1376
169	0.1006	220	-0.0924	271	-0.1644
170	0.1306	221	-0.4134	272	-0.1354
171	0.1746	222	-0.2354	273	0.1126
172	0.0626	223	0.1536	274	0.1326
173	0.1456	224	0.1346	275	0.0706
174	0.0916	225	0.2196	276	0.1706
175	-0.0174	226	0.1366	277	0.0846
176	-0.1334	227	-0.4304	278	-0.3414
177	-0.1684	228	-0.3274	279	-0.3164
178	-0.1884	229	-0.2404	280	-0.2614
179	-0.0954	230	-0.1914	281	-0.1474
180	-0.3424	231	-0.2084	282	-0.0444
181	-0.0084	232	-0.2284	283	-0.0104
182	0.3516	233	-0.2644	284	-0.0034
183	0.8236	234	-0.1464	285	-0.0244
184	0.9476	235	-0.2224	286	-0.1704
185	0.9956	236	-0.2484	287	-0.1704
186	1.1276	237	-0.0594	288	0.1036
187	1.3286	238	-0.0204	289	0.1896
188	1.4596	239	0.1516	290	0.1086
189	1.4926	240	0.0986	291	-0.2224
190	-0.3074	241	-0.3774	292	0.1016
191	-0.3224	242	-0.2784	325	0.0706
192	-0.3044	244	-0.1394	326	0.0666
193	-0.3004	245	-0.1234	327	0.0696
194	-0.3384	246	-0.1204	328	0.0676
195	-0.3134	247	-0.1354	329	0.0676
196	-0.3204	248	-0.0874	330	0.0666
197	-0.3204	249	-0.0654	331	0.0666
198	-0.3084	250	0.0656	332	0.0696
199	-0.3134	251	-0.3104	333	0.0686
200	-0.3134	252	-0.0324	334	0.0666
201	-0.3004	253	0.2206	335	0.0666
202	-0.2964	254	0.1536	336	0.0686
203	-0.2864	255	-0.4884	337	0.0696
204	-0.2974	256	-0.4344	338	0.0666
205	0.1296	257	-0.3884	339	0.0706
206	0.1226	258	-0.2734	340	0.0666
207	0.1956	259	-0.1274	341	0.0676
208	0.3196	260	-0.0624	350	-0.2014
210	0.0256	261	-0.0454	351	0.0666
211	-0.1354	262	-0.0394	352	0.0666
212	-0.1964	263	-0.1564	353	0.0676
213	-0.5904	264	-0.0504	354	0.0696
214	-0.5334	265	0.0896	355	0.0676
215	-0.4784	266	0.1156		
216	-0.4364	267	-0.1674		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 495
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 31.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.353
TUNNEL DYNAMIC PRESSURE(PSF) = 814.
TUNNEL STAGNATION PRESSURE(PSF) = 1892.
TUNNEL STATIC PRESSURE(PSF) = 635.
REYNOLDS NUMBER PER FOOT = 4.0120E 06
MODEL ANGLE OF ATTACK(DEG) = -12.07
FIN ANGLE(DEG) = -0.25
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 550.

SCANIVALE	CP(REF)
147	1.1849
247	1.1839
347	1.1849
447	1.1849
547	1.1799
647	1.1809
747	1.1799

ORF	CP	ORF	CP	ORF	CP
1	-0.1071	52	0.0019	102	-0.1501
2	-0.1071	53	-0.1131	103	-0.4151
3	-0.0741	54	-0.1331	104	-0.4001
4	-0.0361	55	0.1419	105	-0.3071
5	-0.0111	56	0.1409	110	-0.2301
6	0.0039	57	0.1389	111	-0.2131
7	0.0099	58	0.1289	112	-0.1961
8	0.0149	59	0.1389	113	-0.2311
9	0.0169	60	0.1219	114	-0.2241
10	0.0119	61	0.1069	115	-0.2701
11	0.0039	62	0.0879	116	-0.2321
12	-0.0001	63	0.0519	117	-0.1891
13	-0.0141	64	-0.1371	118	-0.2031
14	-0.0841	65	-0.1141	119	-0.1991
15	-0.1191	66	0.2659	120	-0.0401
16	-0.1371	67	0.2439	121	-0.0171
17	-0.1151	68	0.2329	122	-0.1271
18	-0.0851	69	0.2189	123	-0.2721
19	-0.0551	70	0.2009	124	-0.1891
20	-0.0301	71	0.1809	125	-0.1791
21	-0.0101	72	0.1689	126	-0.1581
22	0.0009	73	0.1399	127	-0.1711
23	0.0089	74	-0.0561	128	-0.2791
24	0.0159	75	0.3849	129	-0.2011
25	0.0029	76	0.3539	135	-0.1461
26	0.0009	77	0.3489	136	-0.1461
27	-0.0241	78	0.3149	137	-0.1421
28	-0.0801	79	0.2649	138	-0.0431
29	-0.1251	80	0.2649	139	-0.0441
30	-0.0631	81	0.1669	140	-0.0411
32	-0.0231	82	-0.0531	141	0.0669
33	-0.0091	83	0.4309	142	0.0439
34	-0.0041	84	0.4229	143	0.0549
35	0.0069	85	0.3789	145	-0.1451
36	0.0139	86	0.3299	147	0.0499
37	0.0119	87	0.2549	151	0.0059
38	0.0109	88	0.1649	152	-0.1461
39	0.0009	89	-0.0891	153	-0.2501
40	-0.0201	90	0.4709	154	-0.3551
41	-0.0701	91	0.3259	155	0.1289
42	-0.1211	92	0.2239	156	0.0659
43	0.0319	93	0.1519	157	-0.0481
44	0.0419	94	0.0839	158	0.1959
45	0.0429	95	-0.1651	159	0.1509
46	0.0449	96	0.0009	160	0.1029
47	0.0529	97	-0.2051	161	0.0289
48	0.0529	98	-0.0791	162	0.1829
49	0.0559	99	-0.2681	163	0.1469
50	0.0459	100	-0.3631	164	-0.0481
51	0.0259	101	-0.1681	165	-0.0201

ORF	CP	ORF	CP	ORF	CP
166	0.2689	217	-0.2351	268	-0.0681
167	0.1629	218	-0.1811	269	0.1009
168	0.1059	219	-0.1061	270	0.1469
169	0.0199	220	-0.0241	271	-0.1481
170	0.0979	221	-0.3721	272	-0.1151
171	0.1369	222	-0.1971	273	0.1089
172	0.0119	223	0.1029	274	0.1429
173	0.1809	224	0.0919	275	0.0929
174	0.0919	225	0.1509	276	0.0749
175	-0.0251	226	0.0929	277	0.0169
176	-0.1681	227	-0.3761	278	-0.2581
177	-0.1421	228	-0.2651	279	-0.2081
178	-0.1621	229	-0.1891	280	-0.1531
179	-0.0951	230	-0.1391	281	-0.0751
180	-0.3231	231	-0.1411	282	-0.0161
181	0.0139	232	-0.1541	283	0.0019
182	0.3019	233	-0.1561	284	0.0159
183	0.7599	234	-0.0671	285	-0.0071
184	0.8949	235	-0.1761	286	-0.1741
185	0.9229	236	-0.2471	287	-0.1491
186	1.0489	237	-0.0341	288	0.1029
187	1.2669	238	-0.0181	289	0.1349
188	1.4329	239	0.1499	290	0.1219
189	1.4759	240	0.0929	291	-0.3081
190	-0.3201	241	-0.3501	292	0.0849
191	-0.3011	242	-0.2811	325	0.0619
192	-0.3331	244	-0.1601	326	0.0679
193	-0.3261	245	-0.0811	327	0.0679
194	-0.3281	246	-0.0761	328	0.0639
195	-0.2961	247	-0.0811	329	0.0599
196	-0.3081	248	-0.0511	330	0.0609
197	-0.3131	249	-0.0431	331	0.0689
198	-0.3001	250	0.0669	332	0.0709
199	-0.3011	251	-0.2991	333	0.0639
200	-0.2951	252	-0.0251	334	0.0609
201	-0.2881	253	0.1559	335	0.0609
202	-0.2851	254	0.1009	336	0.0679
203	-0.2871	255	-0.4221	337	0.0619
204	-0.2851	256	-0.3481	338	0.0679
205	0.1699	257	-0.2701	339	0.0679
206	0.1659	258	-0.1571	340	0.0649
207	0.2459	259	-0.0651	341	0.0589
208	0.3449	260	-0.0381	350	-0.1831
210	0.0519	261	-0.0231	351	0.0609
211	-0.0401	262	-0.0131	352	0.0599
212	-0.0991	263	-0.1141	353	0.0589
213	-0.4691	264	-0.0281	354	0.0569
214	-0.3871	265	0.1129	355	0.0579
215	-0.3361	266	0.1349		
216	-0.2831	267	-0.1241		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 496
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 31.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.354
TUNNEL DYNAMIC PRESSURE(PSF) = 817.
TUNNEL STAGNATION PRESSURE(PSF) = 1900.
TUNNEL STATIC PRESSURE(PSF) = 636.
REYNOLDS NUMBER PER FOOT = 4.0090E 06
MODEL ANGLE OF ATTACK(DEG) = -8.11
FIN ANGLE(DEG) = -0.08
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 552.

SCANIVALE	CP(REF)
147	1.1785
247	1.1775
347	1.1775
447	1.1785
547	1.1765
647	1.1765
747	1.1765

ORF	CP	ORF	CP	ORF	CP
1	-0.0935	52	0.1135	102	-0.1035
2	-0.1665	53	-0.0145	103	-0.4165
3	-0.1275	54	-0.0745	104	-0.4085
4	-0.0395	55	0.2585	105	-0.3325
5	0.0185	56	0.2425	110	-0.1315
6	0.0405	57	0.2415	111	-0.1135
7	0.0575	58	0.2315	112	-0.1085
8	0.0725	59	0.2285	113	-0.1655
9	0.0815	60	0.2225	114	-0.2165
10	0.0855	61	0.2085	115	-0.2275
11	0.0885	62	0.2035	116	-0.1955
12	0.0865	63	0.1985	117	-0.1385
13	0.0685	64	-0.0825	118	-0.1255
14	-0.0125	65	-0.0525	119	-0.1545
15	-0.0485	66	0.3385	120	-0.0435
16	-0.1145	67	0.3075	121	0.0245
17	-0.1145	68	0.2885	122	-0.0835
18	-0.0505	69	0.2735	123	-0.2235
19	-0.0135	70	0.2645	124	-0.1435
20	0.0195	71	0.2555	125	-0.1305
21	0.0435	72	0.2905	126	-0.1045
22	0.0665	73	0.2325	127	-0.1185
23	0.0765	74	-0.0345	128	-0.2325
24	0.0875	75	0.3715	129	-0.1625
25	0.0855	76	0.3365	135	-0.0975
26	0.0785	77	0.3105	136	-0.0945
27	0.0595	78	0.3035	137	-0.0925
28	-0.0105	79	0.3435	138	0.0025
29	-0.0605	80	0.3005	139	0.0005
30	0.0105	81	0.2075	140	0.0005
32	0.0415	82	-0.0555	141	0.0475
33	0.0595	83	0.3925	142	0.0435
34	0.0735	84	0.4165	143	0.0465
35	0.0905	85	0.3755	145	-0.0955
36	0.1005	86	0.3355	147	0.0415
37	0.1005	87	0.2625	151	0.1005
38	0.0985	88	0.1715	152	-0.0605
39	0.0895	89	-0.1065	153	-0.1555
40	0.0635	90	0.4525	154	-0.2935
41	0.0095	91	0.2865	155	0.1785
42	-0.0655	92	0.1865	156	0.1835
43	0.1395	93	0.1275	157	0.0665
44	0.1375	94	0.0795	158	0.3045
45	0.1365	95	-0.1785	159	0.2735
46	0.1475	96	-0.2235	160	0.2365
47	0.1595	97	-0.2215	161	0.1575
48	0.1595	98	-0.0515	162	0.2805
49	0.1595	99	-0.0945	163	0.2245
50	0.1515	100	-0.0525	164	-0.0025
51	0.1405	101	-0.1265	165	0.0425

ORF	CP	ORF	CP	ORF	CP
166	0.2615	217	-0.0685	268	0.0025
167	0.1845	218	-0.0715	269	0.1835
168	0.1405	219	-0.0295	270	0.2225
169	0.0235	220	-0.0065	271	-0.1015
170	0.1475	221	-0.2625	272	-0.0655
171	0.1705	222	-0.1155	273	0.1915
172	0.0245	223	0.0865	274	0.2205
173	0.1765	224	0.0675	275	0.2525
174	0.0675	225	0.2085	276	0.1575
175	-0.0515	226	0.1415	277	0.1245
176	-0.1985	227	-0.3955	278	-0.3635
177	-0.0245	228	-0.3535	279	-0.3075
178	-0.0825	229	-0.2805	280	-0.2475
179	-0.0435	230	-0.1505	281	-0.1225
180	-0.3025	231	-0.0865	282	0.0145
181	0.2995	232	-0.0615	283	0.0475
182	0.5645	233	-0.0375	284	0.0815
183	0.7395	234	0.0005	285	0.0735
184	0.8865	235	-0.1155	286	-0.1245
185	0.9325	236	-0.1625	287	-0.1025
186	1.0665	237	-0.0045	288	0.1715
187	1.2575	238	0.0315	289	0.2045
188	1.4165	239	0.2785	290	0.2085
189	1.4765	240	0.2335	291	-0.0085
190	-0.3285	241	-0.4935	292	0.1615
191	-0.2955	242	-0.4345	325	0.0725
192	-0.3345	244	-0.2485	326	0.0785
193	-0.3325	245	-0.0905	327	0.0805
194	-0.3235	246	-0.0195	328	0.0755
195	-0.2845	247	0.0065	329	0.0805
196	-0.2985	248	0.0435	330	0.0815
197	-0.3035	249	0.0515	331	0.0795
198	-0.2905	250	0.0825	332	0.0805
199	-0.2985	251	-0.2805	333	0.0775
200	-0.2885	252	0.0635	334	0.0795
201	-0.2775	253	0.2385	335	0.0815
202	-0.2885	254	0.1725	336	0.0695
203	-0.2835	255	-0.4585	337	0.0705
204	-0.2765	256	-0.4035	338	0.0795
205	0.2995	257	-0.3415	339	0.0805
206	0.3415	258	-0.1825	340	0.0755
207	0.3665	259	-0.0695	341	0.0825
208	0.3825	260	-0.0035	350	-0.1345
210	0.1495	261	0.0495	351	0.0845
211	0.1555	262	0.0815	352	0.0795
212	0.0825	263	-0.0295	353	0.0795
213	-0.3045	264	0.0545	354	0.0875
214	-0.2255	265	0.1925	355	0.0825
215	-0.1675	266	0.2145		
216	-0.1085	267	-0.0465		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 497
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 31.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.356
TUNNEL DYNAMIC PRESSURE(PSF) = 820.
TUNNEL STAGNATION PRESSURE(PSF) = 1906.
TUNNEL STATIC PRESSURE(PSF) = 637.
REYNOLDS NUMBER PER FOOT = 4.0100E 06
MODEL ANGLE OF ATTACK(DEG) = -6.00
FIN ANGLE(DEG) = 0.10
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 553.

SCANIVALE	CP(REF)
147	1.1742
247	1.1732
347	1.1742
447	1.1742
547	1.1722
647	1.1722
747	1.1732

ORF	CP	ORF	CP	ORF	CP
1	0.0512	52	0.1292	102	-0.0718
2	-0.0608	53	0.0062	103	-0.4208
3	-0.0178	54	-0.1098	104	-0.4118
4	0.0292	55	0.2862	105	-0.3288
5	0.0622	56	0.2412	110	-0.1138
6	0.0752	57	0.2182	111	-0.1058
7	0.0802	58	0.2022	112	-0.1078
8	0.0822	59	0.1942	113	-0.1618
9	0.0892	60	0.1952	114	-0.2218
10	0.0932	61	0.1972	115	-0.2278
11	0.0992	62	0.1852	116	-0.1938
12	0.0952	63	0.1672	117	-0.1378
13	0.0782	64	-0.0838	118	-0.1118
14	0.0012	65	-0.0888	119	-0.1278
15	-0.0368	66	0.3012	120	-0.0168
16	0.0242	67	0.2532	121	0.0322
17	0.0322	68	0.2262	122	-0.0738
18	0.0512	69	0.2182	123	-0.2118
19	0.0662	70	0.2312	124	-0.1348
20	0.0732	71	0.2312	125	-0.1178
21	0.0792	72	0.2292	126	-0.0928
22	0.0852	73	0.2022	127	-0.1068
23	0.0922	74	-0.0408	128	-0.2188
24	0.0932	75	0.3132	129	-0.1558
25	0.0972	76	0.2722	135	-0.0878
26	0.0912	77	0.2852	136	-0.0878
27	0.0722	78	0.2612	137	-0.0878
28	0.0032	79	0.2992	138	0.0052
29	-0.0588	80	0.2862	139	0.0052
30	0.1142	81	0.2032	140	0.0012
32	0.1102	82	-0.0628	141	0.0372
33	0.1112	83	0.2972	142	0.0352
34	0.1052	84	0.3152	143	0.0392
35	0.1102	85	0.3042	145	-0.0888
36	0.1172	86	0.2962	147	0.0322
37	0.1162	87	0.2322	151	0.1242
38	0.1202	88	0.1592	152	-0.0518
39	0.1112	89	-0.1158	153	-0.1478
40	0.0892	90	0.3652	154	-0.2908
41	0.0362	91	0.2452	155	0.2192
42	-0.0788	92	0.1592	156	0.1722
43	0.2192	93	0.1132	157	0.0472
44	0.1972	94	0.0772	158	0.3372
45	0.1752	95	-0.1788	159	0.2922
46	0.1672	96	-0.1338	160	0.2582
47	0.1572	97	-0.1788	161	0.1842
48	0.1602	98	-0.0448	162	0.3172
49	0.1572	99	-0.0488	163	0.2512
50	0.1582	100	0.0142	164	0.0032
51	0.1502	101	-0.0928	165	0.0832

ORF	CP	ORF	CP	ORF	CP
166	0.2952	217	-0.0678	268	0.0142
167	0.2262	218	-0.1038	269	0.2022
168	0.1822	219	-0.0488	270	0.2532
169	0.0642	220	0.0222	271	-0.0828
170	0.1772	221	-0.2138	272	-0.0558
171	0.2102	222	-0.0948	273	0.2102
172	0.0642	223	0.1052	274	0.2562
173	0.2122	224	0.1102	275	0.2832
174	0.1172	225	0.3502	276	0.2592
175	-0.0088	226	0.3012	277	0.1982
176	-0.1818	227	-0.5318	278	-0.2638
177	-0.0418	228	-0.4948	279	-0.2128
178	-0.1148	229	-0.4338	280	-0.1538
179	-0.0738	230	-0.2508	281	-0.0308
180	-0.2948	231	-0.1038	282	0.0662
181	0.2672	232	-0.0878	283	0.0732
182	0.4652	233	-0.0188	284	0.0932
183	0.6472	234	0.0712	285	0.0902
184	0.7822	235	-0.1258	286	-0.0888
185	0.8472	236	-0.0808	287	-0.0888
186	0.9492	237	0.0722	288	0.1862
187	1.1212	238	0.1582	289	0.2302
188	1.2732	239	0.3862	290	0.2372
189	1.3622	240	0.3682	291	-0.0718
190	-0.3148	241	-0.5068	292	0.1432
191	-0.3028	242	-0.4308	325	0.0712
192	-0.3298	244	-0.2808	326	0.0782
193	-0.3298	245	-0.1698	327	0.0782
194	-0.3038	246	-0.0178	328	0.0772
195	-0.2868	247	0.0612	329	0.0792
196	-0.2958	248	0.1252	330	0.0772
197	-0.2898	249	0.0902	331	0.0792
198	-0.2848	250	0.0792	332	0.0772
199	-0.2878	251	-0.2778	333	0.0772
200	-0.2818	252	0.0802	334	0.0812
201	-0.2688	253	0.2812	335	0.0782
202	-0.2718	254	0.2062	336	0.0762
203	-0.2688	255	-0.3068	337	0.0712
204	-0.2648	256	-0.2608	338	0.0782
205	0.2982	257	-0.1798	339	0.0782
206	0.3392	258	-0.0718	340	0.0772
207	0.3542	259	-0.0018	341	0.0802
208	0.3612	260	0.0252	350	-0.1168
210	0.2282	261	0.0692	351	0.0732
211	0.2772	262	0.1042	352	0.0722
212	0.2002	263	0.0032	353	0.0742
213	-0.3218	264	0.0742	354	0.0672
214	-0.2208	265	0.2082	355	0.0762
215	-0.1198	266	0.2402		
216	-0.0398	267	-0.0168		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 498
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 31.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.352
TUNNEL DYNAMIC PRESSURE(PSF) = 821.
TUNNEL STAGNATION PRESSURE(PSF) = 1909.
TUNNEL STATIC PRESSURE(PSF) = 642.
REYNOLDS NUMBER PER FOOT = 4.0140E 06
MODEL ANGLE OF ATTACK(DEG) = -4.03
FIN ANGLE(DEG) = 0.19
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 553.

SCANIVALE	CP(REF)
147	1.1660
247	1.1640
347	1.1650
447	1.1660
547	1.1640
647	1.1640
747	1.1640

ORF	CP	ORF	CP	ORF	CP
1	0.1350	52	0.1400	102	-0.0390
2	-0.0650	53	0.0190	103	-0.3650
3	-0.0770	54	-0.1050	104	-0.3780
4	0.0080	55	0.2530	105	-0.2780
5	0.0590	56	0.2190	110	-0.1110
6	0.0840	57	0.2040	111	-0.1110
7	0.0940	58	0.1890	112	-0.1160
8	0.1000	59	0.1830	113	-0.1610
9	0.1040	60	0.1870	114	-0.2240
10	0.1080	61	0.1930	115	-0.2210
11	0.1180	62	0.1870	116	-0.1850
12	0.1150	63	0.1700	117	-0.1350
13	0.1070	64	-0.0860	118	-0.1100
14	0.0170	65	-0.0750	119	-0.1100
15	-0.0190	66	0.2730	120	0.0320
16	0.0330	67	0.2330	121	0.0370
17	0.0420	68	0.2110	122	-0.0760
18	0.0620	69	0.2030	123	-0.2060
19	0.0790	70	0.2130	124	-0.1310
20	0.0860	71	0.2250	125	-0.1100
21	0.0990	72	0.2330	126	-0.0910
22	0.1070	73	0.2380	127	-0.1030
23	0.1100	74	-0.0560	128	-0.2260
24	0.1130	75	0.2950	129	-0.1600
25	0.1130	76	0.2560	135	-0.0870
26	0.1090	77	0.2370	136	-0.0930
27	0.0920	78	0.2350	137	-0.0910
28	0.0250	79	0.2490	138	0.0050
29	-0.0370	80	0.2330	139	0.0060
30	0.1170	81	0.1880	140	0.0040
32	0.1220	82	-0.0730	141	0.0330
33	0.1230	83	0.2750	142	0.0310
34	0.1260	84	0.2930	143	0.0320
35	0.1230	85	0.2960	145	-0.0910
36	0.1280	86	0.2720	147	0.0310
37	0.1320	87	0.2060	151	0.1210
38	0.1310	88	0.1430	152	-0.0480
39	0.1280	89	-0.1210	153	-0.1520
40	0.1180	90	0.3560	154	-0.2890
41	0.0590	91	0.2050	155	0.2340
42	-0.0770	92	0.1400	156	0.1950
43	0.2110	93	0.1050	157	0.0620
44	0.1840	94	0.0810	158	0.3900
45	0.1750	95	-0.1590	159	0.3210
46	0.1730	96	-0.1710	160	0.2870
47	0.1640	97	-0.1260	161	0.2120
48	0.1620	98	-0.0390	162	0.3660
49	0.1620	99	-0.0220	163	0.3030
50	0.1630	100	0.0730	164	0.0070
51	0.1540	101	-0.0600	165	0.1180

ORF	CP	ORF	CP	ORF	CP
166	0.3600	217	-0.0560	268	0.0410
167	0.2990	218	-0.0900	269	0.2410
168	0.2430	219	-0.0010	270	0.2880
169	0.1300	220	0.0820	271	-0.0540
170	0.2130	221	-0.2330	272	-0.0440
171	0.2890	222	-0.0970	273	0.2420
172	0.1270	223	0.1440	274	0.2870
173	0.2330	224	0.1510	275	0.3220
174	0.1540	225	0.4050	276	0.3210
175	0.0280	226	0.3540	277	0.2410
176	-0.1710	227	-0.5090	278	-0.3260
177	-0.0320	228	-0.4440	279	-0.2980
178	-0.1190	229	-0.3600	280	-0.1990
179	-0.0710	230	-0.2100	281	-0.0820
180	-0.2950	231	-0.1140	282	0.0550
181	0.3230	232	-0.0560	283	0.0910
182	0.5160	233	0.0220	284	0.1130
183	0.5150	234	0.1180	285	0.1070
184	0.6180	235	-0.0440	286	-0.0600
185	0.6620	236	-0.0570	287	-0.0660
186	0.7030	237	0.0850	288	0.2120
187	0.8010	238	0.1500	289	0.2800
188	0.9140	239	0.3600	290	0.2620
189	1.0090	240	0.3130	291	-0.1610
190	-0.2980	241	-0.5080	292	0.1610
191	-0.3090	242	-0.4250	325	0.0830
192	-0.3050	244	-0.1610	326	0.0830
193	-0.3050	245	-0.0700	327	0.0810
194	-0.2990	246	0.0110	328	0.0800
195	-0.2910	247	0.0790	329	0.0790
196	-0.2970	248	0.1380	330	0.0820
197	-0.2870	249	0.1300	331	0.0860
198	-0.2870	250	0.0830	332	0.0810
199	-0.2910	251	-0.2770	333	0.0800
200	-0.2820	252	0.0820	334	0.0800
201	-0.2740	253	0.3070	335	0.0820
202	-0.2740	254	0.2260	336	0.0810
203	-0.2720	255	-0.3460	337	0.0840
204	-0.2700	256	-0.2960	338	0.0840
205	0.2880	257	-0.2210	339	0.0810
206	0.3470	258	-0.1090	340	0.0810
207	0.3330	259	0.0100	341	0.0790
208	0.3240	260	0.0520	350	-0.1050
210	0.2410	261	0.0880	351	0.0750
211	0.3670	262	0.1290	352	0.0790
212	0.2740	263	0.0300	353	0.0790
213	-0.3300	264	0.0860	354	0.0760
214	-0.2070	265	0.2360	355	0.0780
215	-0.1040	266	0.2750		
216	-0.0470	267	0.0070		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 499
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 31.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.354
TUNNEL DYNAMIC PRESSURE(PSF) = 818.
TUNNEL STAGNATION PRESSURE(PSF) = 1902.
TUNNEL STATIC PRESSURE(PSF) = 637.
REYNOLDS NUMBER PER FOOT = 3.9890E 06
MODEL ANGLE OF ATTACK(DEG) = -1.90
FIN ANGLE(DEG) = -0.15
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 554.

SCANIVALE	CP(REF)
147	1.1763
247	1.1753
347	1.1753
447	1.1763
547	1.1753
647	1.1743
747	1.1753

ORF	CP	ORF	CP	ORF	CP
1	0.2273	52	0.1343	102	0.0013
2	-0.0507	53	0.0133	103	-0.3377
3	-0.2947	54	-0.1097	104	-0.3237
4	-0.1267	55	0.1943	105	-0.2037
5	0.0473	56	0.1913	110	-0.1057
6	0.0943	57	0.1783	111	-0.1067
7	0.1043	58	0.1723	112	-0.0997
8	0.1053	59	0.1733	113	-0.1417
9	0.1103	60	0.1753	114	-0.2107
10	0.1163	61	0.1793	115	-0.2047
11	0.1253	62	0.1873	116	-0.1697
12	0.1253	63	0.1633	117	-0.1187
13	0.1243	64	-0.0777	118	-0.0887
14	0.0393	65	-0.0897	119	-0.0887
15	-0.0027	66	0.2333	120	0.0253
16	0.0133	67	0.2083	121	0.0483
17	-0.0997	68	0.2033	122	-0.0687
18	-0.0897	69	0.2013	123	-0.1887
19	0.0903	70	0.2033	124	-0.1137
20	0.1073	71	0.1993	125	-0.0997
21	0.1083	72	0.2053	126	-0.0747
22	0.1123	73	0.1893	127	-0.0877
23	0.1173	74	-0.0727	128	-0.2147
24	0.1193	75	0.2513	129	-0.1547
25	0.1293	76	0.2213	135	-0.0747
26	0.1293	77	0.2193	136	-0.0797
27	0.1173	78	0.2133	137	-0.0787
28	0.0403	79	0.2193	138	0.0133
29	-0.0287	80	0.2113	139	0.0153
30	0.0113	81	0.1583	140	0.0143
32	0.1103	82	-0.0977	141	0.0353
33	0.1253	83	0.2343	142	0.0363
34	0.1253	84	0.2413	143	0.0353
35	0.1233	85	0.2363	145	-0.0737
36	0.1283	86	0.2193	147	0.0363
37	0.1333	87	0.1843	151	0.1363
38	0.1383	88	0.1393	152	-0.0447
39	0.1383	89	-0.0967	153	-0.1277
40	0.1233	90	0.2773	154	-0.2777
41	0.0713	91	0.1513	155	0.2133
42	-0.0747	92	0.1163	156	0.2103
43	0.1023	93	0.1113	157	0.0823
44	0.1533	94	0.0943	158	0.4773
45	0.1573	95	-0.1117	159	0.3483
46	0.1553	96	-0.2187	160	0.3243
47	0.1513	97	-0.0447	161	0.2373
48	0.1523	98	-0.0287	162	0.4443
49	0.1543	99	0.0253	163	0.4103
50	0.1553	100	0.1453	164	0.0153
51	0.1553	101	-0.0127	165	0.1923

ORF	CP	ORF	CP	ORF	CP
166	0.5163	217	-0.0447	268	0.0513
167	0.4223	218	-0.0417	269	0.2843
168	0.3863	219	0.0473	270	0.3363
169	0.2873	220	0.1273	271	-0.0067
170	0.2193	221	-0.2437	272	-0.0167
171	0.4283	222	-0.1107	273	0.2533
172	0.2343	223	0.1513	274	0.3163
173	0.2383	224	0.1573	275	0.3463
174	0.1933	225	0.3923	276	0.4143
175	0.0483	226	0.3363	277	0.3233
176	-0.1747	227	-0.4847	278	-0.4627
177	-0.0247	228	-0.4027	279	-0.4337
178	-0.1287	229	-0.2897	280	-0.3707
179	-0.1217	230	-0.1437	281	-0.2707
180	-0.2937	231	-0.0637	282	0.0143
181	0.4663	232	-0.0067	283	0.0923
182	0.6423	233	0.0723	284	0.1173
183	0.5643	234	0.1533	285	0.1243
184	0.7103	235	0.0003	286	-0.0137
185	0.7513	236	-0.0477	287	-0.0457
186	0.7453	237	0.0803	288	0.2003
187	0.8053	238	0.1453	289	0.3243
188	0.8823	239	0.3633	290	0.2993
189	0.9383	240	0.3033	291	-0.1387
190	-0.2837	241	-0.4987	292	0.1773
191	-0.3077	242	-0.4287	325	0.0843
192	-0.2887	244	-0.1347	326	0.0823
193	-0.2897	245	-0.0367	327	0.0853
194	-0.2837	246	0.0203	328	0.0793
195	-0.2917	247	0.0883	329	0.0803
196	-0.2977	248	0.1473	330	0.0823
197	-0.2837	249	0.1453	331	0.0833
198	-0.2847	250	0.0853	332	0.0843
199	-0.2917	251	-0.2757	333	0.0793
200	-0.2797	252	0.1043	334	0.0823
201	-0.2737	253	0.3183	335	0.0823
202	-0.2697	254	0.2463	336	0.0813
203	-0.2707	255	-0.4887	337	0.0823
204	-0.2707	256	-0.4667	338	0.0833
205	0.2843	257	-0.3407	339	0.0843
206	0.3413	258	-0.1497	340	0.0803
207	0.3303	259	0.0173	341	0.0813
208	0.3153	260	0.0613	350	-0.0887
210	0.2723	261	0.0973	351	0.0793
211	0.4113	262	0.1453	352	0.0803
212	0.3373	263	0.0473	353	0.0793
213	-0.3387	264	0.1053	354	0.0783
214	-0.2367	265	0.2863	355	0.0853
215	-0.1577	266	0.3093		
216	-0.0847	267	0.0283		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 500
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 31.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.354
TUNNEL DYNAMIC PRESSURE(PSF) = 818.
TUNNEL STAGNATION PRESSURE(PSF) = 1903.
TUNNEL STATIC PRESSURE(PSF) = 638.
REYNOLDS NUMBER PER FOOT = 3.9880E 06
MODEL ANGLE OF ATTACK(DEG) = 0.11
FIN ANGLE(DEG) = -0.29
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 555.

SCANIVALE	CP(REF)
147	1.1730
247	1.1720
347	1.1730
447	1.1740
547	1.1730
647	1.1720
747	1.1730

ORF	CP	ORF	CP	ORF	CP
1	0.4300	52	0.2230	102	0.0120
2	0.0700	53	0.0730	103	-0.2850
3	-0.2660	54	-0.0410	104	-0.2660
4	-0.2650	55	0.0670	105	-0.1540
5	-0.2490	56	0.0100	110	-0.1000
6	-0.1950	57	-0.0290	111	-0.1030
7	-0.0700	58	-0.0550	112	-0.0950
8	0.0370	59	0.1000	113	-0.1380
9	0.0920	60	0.1910	114	-0.2050
10	0.1410	61	0.2310	115	-0.2020
11	0.1620	62	0.2460	116	-0.1670
12	0.1860	63	0.2230	117	-0.1140
13	0.2090	64	-0.0340	118	-0.0790
14	0.1370	65	-0.0390	119	-0.0830
15	0.0570	66	0.0730	120	0.0190
16	0.1470	67	0.0360	121	0.0510
17	-0.0580	68	0.0040	122	-0.0580
18	-0.1940	69	0.0370	123	-0.1800
19	-0.2440	70	0.1810	124	-0.1160
20	-0.2080	71	0.2470	125	-0.0930
21	-0.1270	72	0.2490	126	-0.0720
22	0.0350	73	0.2120	127	-0.0840
23	0.1180	74	-0.0510	128	-0.2100
24	0.1560	75	0.0970	129	-0.1510
25	0.1860	76	0.0700	135	-0.0680
26	0.2010	77	0.0800	136	-0.0770
27	0.2230	78	0.2060	137	-0.0750
28	0.1590	79	0.2620	138	0.0180
29	0.0170	80	0.2490	139	0.0190
30	0.0680	81	0.1570	140	0.0190
32	-0.1360	82	-0.0610	141	0.0350
33	-0.1850	83	0.1050	142	0.0340
34	-0.1770	84	0.0960	143	0.0380
35	-0.0250	85	0.1740	145	-0.0710
36	0.1200	86	0.2500	147	0.0340
37	0.1710	87	0.2230	151	0.2140
38	0.2030	88	0.1760	152	-0.0400
39	0.2180	89	-0.0740	153	-0.1000
40	0.2320	90	0.1270	154	-0.2330
41	0.1810	91	0.0750	155	0.0830
42	-0.0280	92	0.2010	156	0.3250
43	0.0500	93	0.1970	157	0.1910
44	-0.0200	94	0.1680	158	0.5900
45	-0.0750	95	-0.0790	159	0.4710
46	-0.0990	96	-0.2770	160	0.4510
47	-0.0880	97	-0.0540	161	0.3950
48	0.0990	98	-0.0300	162	0.5130
49	0.1900	99	0.1570	163	0.5630
50	0.2200	100	0.1440	164	0.0200
51	0.2300	101	-0.0150	165	0.3440

ORF	CP	ORF	CP	ORF	CP
166	0.6500	217	0.0310	268	0.0690
167	0.5170	218	0.0570	269	0.3400
168	0.5220	219	0.0940	270	0.4290
169	0.4140	220	0.1370	271	0.0170
170	0.2010	221	-0.2690	272	-0.0150
171	0.4490	222	-0.1580	273	0.2140
172	0.2530	223	0.1520	274	0.2420
173	0.2270	224	0.1630	275	0.3970
174	0.1250	225	0.3690	276	0.5890
175	-0.0250	226	0.2850	277	0.5050
176	-0.2010	227	-0.4390	278	-0.4140
177	-0.0170	228	-0.3400	279	-0.3660
178	-0.0560	229	-0.2460	280	-0.3120
179	-0.0760	230	-0.0600	281	-0.2710
180	-0.2990	231	0.0300	282	-0.2410
181	0.5570	232	0.0500	283	-0.1420
182	0.6900	233	0.0870	284	0.1070
183	0.6610	234	0.1520	285	0.1950
184	0.9110	235	0.0290	286	0.0040
185	0.9490	236	-0.0500	287	-0.0310
186	0.9370	237	0.0620	288	0.1180
187	0.9950	238	0.1380	289	0.3340
188	1.0400	239	0.3510	290	0.3750
189	1.1170	240	0.2830	291	-0.2380
190	-0.2970	241	-0.3780	292	0.1950
191	-0.3180	242	-0.3150	325	0.0900
192	-0.3120	244	-0.0690	326	0.0950
193	-0.3180	245	-0.0110	327	0.0950
194	-0.2930	246	0.0110	328	0.0910
195	-0.3050	247	0.0760	329	0.0930
196	-0.3070	248	0.1610	330	0.1000
197	-0.2930	249	0.1700	331	0.0950
198	-0.2940	250	0.1000	332	0.0950
199	-0.2950	251	-0.2820	333	0.0920
200	-0.2910	252	0.1650	334	0.0940
201	-0.2820	253	0.4050	335	0.0990
202	-0.2790	254	0.3480	336	0.0950
203	-0.2760	255	-0.5340	337	0.0900
204	-0.2750	256	-0.4780	338	0.0960
205	0.3000	257	-0.4220	339	0.0960
206	0.3450	258	-0.2810	340	0.0920
207	0.3440	259	-0.0720	341	0.0950
208	0.3370	260	-0.0190	350	-0.0820
210	0.3230	261	0.1030	351	0.0940
211	0.4300	262	0.2200	352	0.0940
212	0.3580	263	0.0310	353	0.0970
213	-0.3330	264	0.1280	354	0.0970
214	-0.2220	265	0.3730	355	0.0990
215	-0.1670	266	0.3890		
216	-0.0740	267	-0.0020		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 501
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 31.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.353
TUNNEL DYNAMIC PRESSURE(PSF) = 819.
TUNNEL STAGNATION PRESSURE(PSF) = 1904.
TUNNEL STATIC PRESSURE(PSF) = 639.
REYNOLDS NUMBER PER FOOT = 3.9860E 06
MODEL ANGLE OF ATTACK(DEG) = 2.07
FIN ANGLE(DEG) = -0.07
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 555.

SCANIVALE	CP(REF)
147	1.1718
247	1.1708
347	1.1708
447	1.1718
547	1.1708
647	1.1708
747	1.1708

ORF	CP	ORF	CP	ORF	CP
1	0.3908	52	0.1668	102	0.0398
2	0.0318	53	0.0568	103	-0.2512
3	-0.2252	54	-0.0082	104	-0.2682
4	-0.1782	55	0.0538	105	-0.1502
5	-0.1482	56	0.0028	110	-0.1062
6	-0.1262	57	-0.0342	111	-0.1072
7	-0.1072	58	-0.0622	112	-0.1002
8	-0.0892	59	-0.0702	113	-0.1392
9	-0.0582	60	-0.0612	114	-0.1982
10	-0.0212	61	-0.0062	115	-0.1982
11	0.0478	62	0.1278	116	-0.1722
12	0.1048	63	0.1698	117	-0.1222
13	0.1518	64	-0.0122	118	-0.0852
14	0.0988	65	-0.0242	119	-0.0872
15	0.0388	66	0.0518	120	0.0188
16	0.1248	67	0.0188	121	0.0398
17	-0.0532	68	-0.0122	122	-0.0662
18	-0.1452	69	-0.0352	123	-0.1862
19	-0.1512	70	-0.0512	124	-0.1172
20	-0.1362	71	-0.0252	125	-0.0932
21	-0.1092	72	0.0968	126	-0.0722
22	-0.0852	73	0.1608	127	-0.0852
23	-0.0522	74	-0.0192	128	-0.2132
24	-0.0182	75	0.0788	129	-0.1502
25	0.0428	76	0.0348	135	-0.0702
26	0.1168	77	0.0028	136	-0.0792
27	0.1508	78	-0.0122	137	-0.0782
28	0.0998	79	-0.0202	138	0.0188
29	0.0248	80	0.0658	139	0.0208
30	0.0548	81	0.1168	140	0.0188
32	-0.1052	82	-0.0272	141	0.0358
33	-0.1282	83	0.0728	142	0.0378
34	-0.1152	84	0.0378	143	0.0388
35	-0.0982	85	0.0108	145	-0.0762
36	-0.0652	86	-0.0062	147	0.0378
37	-0.0212	87	-0.0002	151	0.3178
38	0.0448	88	0.0888	152	0.0348
39	0.1218	89	-0.0452	153	-0.0552
40	0.1578	90	0.0748	154	-0.1722
41	0.1168	91	0.0588	155	0.1978
42	0.0158	92	0.0288	156	0.3258
43	0.0408	93	0.0068	157	0.2608
44	-0.0232	94	0.0458	158	0.5348
45	-0.0712	95	-0.0612	159	0.4858
46	-0.0952	96	-0.2662	160	0.4408
47	-0.1002	97	-0.0942	161	0.3698
48	-0.0802	98	0.2158	162	0.4928
49	-0.0492	99	0.2398	163	0.4838
50	0.0258	100	0.0758	164	0.0178
51	0.1278	101	0.0208	165	0.2718

ORF	CP	ORF	CP	ORF	CP
166	0.5928	217	0.1398	268	0.0868
167	0.4618	218	0.1218	269	0.3358
168	0.4378	219	0.1118	270	0.3928
169	0.3308	220	0.1178	271	0.0308
170	0.3728	221	-0.2382	272	0.0138
171	0.3618	222	-0.1112	273	0.2638
172	0.1848	223	0.1188	274	0.3128
173	0.2158	224	0.1128	275	0.3788
174	0.1158	225	0.3468	276	0.5588
175	-0.0742	226	0.2888	277	0.4618
176	-0.2022	227	-0.2982	278	-0.4262
177	0.0808	228	-0.2072	279	-0.3772
178	0.0698	229	-0.0992	280	-0.3042
179	0.0628	230	0.0278	281	-0.1992
180	-0.2882	231	0.0738	282	-0.1412
181	0.2878	232	0.0828	283	-0.1232
182	0.4468	233	0.0958	284	-0.0362
183	0.5838	234	0.1338	285	0.1418
184	0.8378	235	0.0168	286	0.0228
185	0.9188	236	-0.0272	287	-0.0122
186	1.0088	237	0.0638	288	0.2158
187	1.0808	238	0.1248	289	0.3658
188	1.1678	239	0.3508	290	0.3858
189	1.2258	240	0.3028	291	-0.3032
190	-0.2912	241	-0.4352	292	0.1298
191	-0.3182	242	-0.3092	325	0.0778
192	-0.3102	244	-0.1072	326	0.0778
193	-0.3132	245	-0.0752	327	0.0808
194	-0.2872	246	-0.0322	328	0.0768
195	-0.3002	247	0.0658	329	0.0798
196	-0.3022	248	0.1808	330	0.0788
197	-0.2832	249	0.1848	331	0.0788
198	-0.2832	250	0.0808	332	0.0808
199	-0.2872	251	-0.2792	333	0.0788
200	-0.2852	252	0.1888	334	0.0808
201	-0.2732	253	0.5008	335	0.0788
202	-0.2722	254	0.4718	336	0.0808
203	-0.2712	255	-0.4832	337	0.0788
204	-0.2692	256	-0.4062	338	0.0778
205	0.2978	257	-0.3402	339	0.0808
206	0.3408	258	-0.2682	340	0.0758
207	0.3528	259	-0.1882	341	0.0798
208	0.3458	260	-0.0912	350	-0.0862
210	0.2438	261	0.0148	351	0.0798
211	0.3368	262	0.2128	352	0.0798
212	0.2838	263	-0.0072	353	0.0778
213	-0.0262	264	0.1608	354	0.0818
214	0.0728	265	0.3758	355	0.0808
215	0.1228	266	0.3888		
216	0.1488	267	0.0228		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 502

TUNNEL = 11

TEST NO. = 086

TEST PHASE = 2

RUN NUMBER = 31.

CONFIGURATION NO. = 4.

ANGLE OF MODEL ROLL(DEG) = 900.0

MACH NUMBER = 1.351

TUNNEL DYNAMIC PRESSURE(PSF) = 819.

TUNNEL STAGNATION PRESSURE(PSF) = 1905.

TUNNEL STATIC PRESSURE(PSF) = 641.

REYNOLDS NUMBER PER FOOT = 3.9860E 06

MODEL ANGLE OF ATTACK(DEG) = 4.01

FIN ANGLE(DEG) = 0.13

FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 555.

SCANIVALE CP(REF)

147 1.1683

247 1.1663

347 1.1673

447 1.1683

547 1.1673

647 1.1673

747 1.1673

ORF	CP	ORF	CP	ORF	CP
1	0.2833	52	0.1303	102	0.0563
2	-0.0327	53	0.0113	103	-0.2457
3	-0.2147	54	-0.0297	104	-0.2737
4	-0.1547	55	-0.0797	105	-0.1507
5	-0.1257	56	-0.0347	110	-0.1127
6	-0.1057	57	-0.0647	111	-0.1107
7	-0.0937	58	-0.0837	112	-0.1147
8	-0.0707	59	-0.0817	113	-0.1577
9	-0.0387	60	-0.0527	114	-0.2077
10	0.0133	61	0.0053	115	-0.2167
11	0.0643	62	0.0783	116	-0.1937
12	0.1033	63	0.1263	117	-0.1437
13	0.1223	64	-0.0647	118	-0.1057
14	0.0573	65	-0.0607	119	-0.1037
15	0.0333	66	-0.1687	120	-0.0217
16	0.0393	67	-0.0227	121	0.0283
17	-0.0897	68	-0.0457	122	-0.0767
18	-0.1507	69	-0.0627	123	-0.2027
19	-0.1367	70	-0.0677	124	-0.1287
20	-0.1187	71	-0.0437	125	-0.1057
21	-0.0897	72	0.0373	126	-0.0827
22	-0.0647	73	0.0883	127	-0.0967
23	-0.0427	74	-0.0567	128	-0.2257
24	0.0113	75	-0.2587	129	-0.1607
25	0.0643	76	-0.0257	135	-0.0857
26	0.1063	77	-0.0297	136	-0.0917
27	0.1133	78	-0.0477	137	-0.0897
28	0.0573	79	-0.0527	138	0.0103
29	0.0183	80	-0.0277	139	0.0093
30	-0.0117	81	0.0283	140	0.0103
32	-0.1167	82	-0.0467	141	0.0383
33	-0.1277	83	-0.2217	142	0.0373
34	-0.1047	84	-0.0437	143	0.0373
35	-0.0787	85	-0.0187	145	-0.0917
36	-0.0547	86	-0.0337	147	0.0363
37	-0.0067	87	0.0073	151	0.3233
38	0.0493	88	0.0523	152	0.0873
39	0.1013	89	-0.0897	153	-0.0207
40	0.1213	90	-0.3137	154	-0.1497
41	0.0743	91	-0.0547	155	0.2203
42	0.0013	92	0.0533	156	0.3203
43	-0.0167	93	0.0213	157	0.2153
44	-0.0607	94	0.0013	158	0.4493
45	-0.0957	95	-0.1647	159	0.4313
46	-0.1067	96	0.1043	160	0.3903
47	-0.0937	97	-0.0747	161	0.2843
48	-0.0617	98	0.2613	162	0.4503
49	-0.0347	99	0.3033	163	0.4363
50	0.0313	100	0.0653	164	0.0063
51	0.0973	101	0.0283	165	0.2423

ORF	CP	ORF	CP	ORF	CP
166	0.5813	217	0.1703	268	0.1093
167	0.4563	218	0.1533	269	0.3303
168	0.4343	219	0.1553	270	0.3653
169	0.3403	220	0.1993	271	0.0453
170	0.4233	221	-0.2397	272	0.0533
171	0.3483	222	-0.1197	273	0.3403
172	0.1853	223	0.1623	274	0.3653
173	0.2463	224	0.1943	275	0.3223
174	0.1593	225	0.3933	276	0.4403
175	-0.0147	226	0.3353	277	0.3403
176	-0.1627	227	-0.3627	278	-0.4467
177	0.1323	228	-0.2297	279	-0.3917
178	0.0563	229	-0.1067	280	-0.2937
179	0.0783	230	0.0243	281	-0.1827
180	-0.2917	231	0.0773	282	-0.1177
181	0.2373	232	0.0953	283	-0.1057
182	0.3683	233	0.1323	284	-0.0087
183	0.4903	234	0.1923	285	0.1223
184	0.7153	235	0.0663	286	0.0383
185	0.7873	236	0.0133	287	0.0033
186	0.8233	237	0.1103	288	0.3223
187	0.8823	238	0.1833	289	0.3903
188	0.9343	239	0.3623	290	0.3743
189	0.9533	240	0.3303	291	-0.3137
190	-0.3067	241	-0.4437	292	0.1083
191	-0.3237	242	-0.3117	325	0.0743
192	-0.3247	244	-0.1297	326	0.0733
193	-0.3277	245	-0.0917	327	0.0723
194	-0.2957	246	-0.0197	328	0.0733
195	-0.3027	247	0.1003	329	0.0733
196	-0.3037	248	0.2083	330	0.0763
197	-0.2867	249	0.2083	331	0.0733
198	-0.2837	250	0.0733	332	0.0723
199	-0.2877	251	-0.2777	333	0.0733
200	-0.2847	252	0.1893	334	0.0743
201	-0.2747	253	0.4623	335	0.0773
202	-0.2757	254	0.4113	336	0.0673
203	-0.2747	255	-0.5037	337	0.0743
204	-0.2737	256	-0.4387	338	0.0723
205	0.3023	257	-0.3747	339	0.0723
206	0.3193	258	-0.2897	340	0.0733
207	0.3623	259	-0.1457	341	0.0743
208	0.3663	260	-0.0727	350	-0.1057
210	0.1823	261	0.0193	351	0.0693
211	0.4353	262	0.1803	352	0.0703
212	0.4063	263	0.0473	353	0.0713
213	-0.0037	264	0.1713	354	0.0693
214	0.1113	265	0.3593	355	0.0693
215	0.1583	266	0.3733		
216	0.1823	267	0.0433		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 503
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 31.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.350
TUNNEL DYNAMIC PRESSURE(PSF) = 823.
TUNNEL STAGNATION PRESSURE(PSF) = 1915.
TUNNEL STATIC PRESSURE(PSF) = 645.
REYNOLDS NUMBER PER FOOT = 4.0040E 06
MODEL ANGLE OF ATTACK(DEG) = 6.00
FIN ANGLE(DEG) = -0.03
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 556.

SCANIVALE	CP(REF)
147	1.1573
247	1.1563
347	1.1573
447	1.1573
547	1.1563
647	1.1553
747	1.1563

ORF	CP	ORF	CP	ORF	CP
1	0.1143	52	0.0933	102	0.0603
2	-0.1027	53	-0.0187	103	-0.2577
3	-0.1737	54	-0.0107	104	-0.2847
4	-0.1597	55	-0.3827	105	-0.1877
5	-0.1437	56	-0.1697	110	-0.1127
6	-0.1177	57	-0.1097	111	-0.1047
7	-0.0837	58	-0.1117	112	-0.1077
8	-0.0597	59	-0.1097	113	-0.1567
9	-0.0187	60	-0.0497	114	-0.2047
10	0.0333	61	-0.0007	115	-0.2187
11	0.0663	62	0.0683	116	-0.1937
12	0.1023	63	0.0813	117	-0.1477
13	0.1243	64	-0.0847	118	-0.1177
14	0.0583	65	-0.0777	119	-0.1167
15	0.0243	66	-0.3817	120	0.0113
16	-0.0827	67	-0.2747	121	0.0213
17	-0.1237	68	-0.1457	122	-0.0817
18	-0.1577	69	-0.1067	123	-0.2147
19	-0.1557	70	-0.0867	124	-0.1357
20	-0.1287	71	-0.0397	125	-0.1117
21	-0.1077	72	0.0313	126	-0.0897
22	-0.0597	73	0.0663	127	-0.1037
23	-0.0307	74	-0.0947	128	-0.2217
24	0.0183	75	-0.3927	129	-0.1647
25	0.0643	76	-0.2967	135	-0.0927
26	0.0893	77	-0.2177	136	-0.0967
27	0.0933	78	-0.1267	137	-0.0927
28	0.0413	79	-0.0837	138	0.0083
29	0.0123	80	-0.0227	139	0.0073
30	-0.1737	81	-0.0067	140	0.0053
32	-0.1477	82	-0.0927	141	0.0413
33	-0.1497	83	-0.3177	142	0.0413
34	-0.1217	84	-0.2967	143	0.0423
35	-0.0787	85	-0.2307	145	-0.0997
36	-0.0407	86	-0.1467	147	0.0383
37	0.0213	87	-0.0297	151	0.2713
38	0.0493	88	0.0083	152	0.0893
39	0.0823	89	-0.1027	153	-0.0287
40	0.1033	90	-0.4347	154	-0.1847
41	0.0563	91	-0.2397	155	0.3553
42	0.0103	92	-0.1837	156	0.3313
43	-0.2357	93	-0.1317	157	0.1833
44	-0.1357	94	-0.0347	158	0.4413
45	-0.1357	95	-0.1947	159	0.4343
46	-0.1287	96	0.2493	160	0.4123
47	-0.1127	97	-0.0207	161	0.3043
48	-0.0737	98	0.3283	162	0.4963
49	-0.0147	99	0.3753	163	0.4643
50	0.0393	100	0.1023	164	0.0093
51	0.0773	101	0.0153	165	0.2773

ORF	CP	ORF	CP	ORF	CP
166	0.6193	217	0.2003	268	0.1443
167	0.5203	218	0.2013	269	0.3333
168	0.4903	219	0.2193	270	0.3493
169	0.3963	220	0.2293	271	0.0313
170	0.4133	221	-0.2387	272	0.0653
171	0.4613	222	-0.1307	273	0.3513
172	0.2833	223	0.1363	274	0.3863
173	0.3223	224	0.1583	275	0.2723
174	0.2293	225	0.3613	276	0.2913
175	0.0793	226	0.3073	277	0.2253
176	-0.1207	227	-0.3727	278	-0.3677
177	0.1233	228	-0.2507	279	-0.2967
178	0.0793	229	-0.1427	280	-0.1967
179	0.1403	230	0.0053	281	-0.1347
180	-0.2977	231	0.1003	282	-0.1217
181	0.2133	232	0.1403	283	-0.1067
182	0.3463	233	0.1793	284	0.0083
183	0.4153	234	0.2043	285	0.1193
184	0.6463	235	0.0763	286	0.0193
185	0.7443	236	0.0363	287	0.0193
186	0.7813	237	0.1133	288	0.3483
187	0.8083	238	0.1883	289	0.4283
188	0.8313	239	0.3213	290	0.3503
189	0.8213	240	0.2823	291	-0.3707
190	-0.3167	241	-0.3977	292	0.0873
191	-0.3217	242	-0.2787	325	0.0683
192	-0.3427	244	-0.1017	326	0.0663
193	-0.3497	245	-0.0337	327	0.0623
194	-0.3227	246	0.0383	328	0.0603
195	-0.3047	247	0.1283	329	0.0583
196	-0.3167	248	0.1963	330	0.0633
197	-0.2977	249	0.2033	331	0.0683
198	-0.2947	250	0.0633	332	0.0633
199	-0.2997	251	-0.2807	333	0.0603
200	-0.2887	252	0.1793	334	0.0603
201	-0.2797	253	0.3273	335	0.0623
202	-0.2837	254	0.2893	336	0.0623
203	-0.2837	255	-0.4857	337	0.0673
204	-0.2807	256	-0.4047	338	0.0663
205	0.2943	257	-0.3157	339	0.0623
206	0.3043	258	-0.2047	340	0.0613
207	0.3743	259	-0.0817	341	0.0593
208	0.4063	260	-0.0467	350	-0.1127
210	0.1883	261	0.0533	351	0.0603
211	0.3823	262	0.1633	352	0.0673
212	0.3503	263	0.0733	353	0.0663
213	0.0383	264	0.1803	354	0.0623
214	0.1323	265	0.3303	355	0.0643
215	0.1623	266	0.3523		
216	0.1923	267	0.0473		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 505
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 31.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.352
TUNNEL DYNAMIC PRESSURE(PSF) = 823.
TUNNEL STAGNATION PRESSURE(PSF) = 1915.
TUNNEL STATIC PRESSURE(PSF) = 643.
REYNOLDS NUMBER PER FOOT = 3.9880E 06
MODEL ANGLE OF ATTACK(DEG) = 11.98
FIN ANGLE(DEG) = -0.31
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 557.

SCANIVALE	CP(REF)
147	1.1587
247	1.1587
347	1.1587
447	1.1597
547	1.1517
647	1.1517
747	1.1517

ORF	CP	ORF	CP	ORF	CP
1	-0.0273	52	-0.1583	102	0.1087
2	-0.2603	53	-0.0823	103	-0.2103
3	-0.2863	54	-0.0103	104	-0.1583
4	-0.2943	55	-0.5573	105	-0.1433
5	-0.2873	56	-0.4333	110	-0.2173
6	-0.2793	57	-0.3723	111	-0.2063
7	-0.2703	58	-0.3463	112	-0.1853
8	-0.2573	59	-0.3243	113	-0.2123
9	-0.2433	60	-0.3123	114	-0.2403
10	-0.2293	61	-0.2903	115	-0.2633
11	-0.1963	62	-0.2563	116	-0.2533
12	-0.0893	63	-0.2193	117	-0.2073
13	0.0347	64	-0.2153	118	-0.1833
14	0.0187	65	-0.1963	119	-0.1723
15	0.0197	66	-0.5883	120	-0.0383
16	-0.2833	67	-0.4833	121	-0.0153
17	-0.2863	68	-0.4033	122	-0.1243
18	-0.2803	69	-0.3533	123	-0.2553
19	-0.2873	70	-0.3173	124	-0.1883
20	-0.2883	71	-0.2853	125	-0.1663
21	-0.2873	72	-0.2583	126	-0.1413
22	-0.2723	73	-0.2293	127	-0.1593
23	-0.2633	74	-0.1333	128	-0.2743
24	-0.2483	75	-0.6203	129	-0.2113
25	-0.2083	76	-0.5123	135	-0.1373
26	-0.1323	77	-0.4513	136	-0.1383
27	-0.0603	78	-0.4133	137	-0.1343
28	-0.0533	79	-0.3413	138	-0.0343
29	0.0167	80	-0.2513	139	-0.0393
30	-0.4403	81	-0.2393	140	-0.0343
32	-0.3293	82	-0.1873	141	0.0687
33	-0.2923	83	-0.4573	142	0.0587
34	-0.2823	84	-0.5373	143	0.0777
35	-0.2743	85	-0.3823	145	-0.1393
36	-0.2613	86	-0.3633	147	0.0597
37	-0.2433	87	-0.2753	151	0.3247
38	-0.2073	88	-0.2933	152	0.2067
39	-0.1463	89	-0.2733	153	0.0387
40	-0.0773	90	-0.5553	154	-0.1173
41	-0.0333	91	-0.3133	155	0.4617
42	0.0707	92	-0.3183	156	0.3447
43	-0.5023	93	-0.3213	157	0.2107
44	-0.4263	94	-0.3083	158	0.5317
45	-0.3853	95	-0.2913	159	0.5137
46	-0.3523	96	0.4177	160	0.4827
47	-0.3313	97	0.0857	161	0.3807
48	-0.3083	98	0.5977	162	0.6517
49	-0.2903	99	0.6237	163	0.5707
50	-0.2653	100	0.1697	164	-0.0543
51	-0.2263	101	0.0467	165	0.3677

ORF	CP	ORF	CP	ORF	CP
166	0.7337	217	0.3947	268	0.2507
167	0.6327	218	0.3667	269	0.2847
168	0.6037	219	0.3497	270	0.3727
169	0.4797	220	0.3717	271	0.0597
170	0.4617	221	-0.3663	272	0.2237
171	0.5577	222	-0.2323	273	0.3297
172	0.3767	223	0.1217	274	0.4327
173	0.4877	224	0.2097	275	0.3997
174	0.3567	225	0.4797	276	0.1767
175	0.2157	226	0.4347	277	0.1307
176	-0.0053	227	-0.3763	278	-0.4413
177	0.2347	228	-0.2893	279	-0.3713
178	0.3097	229	-0.2333	280	-0.2693
179	0.3517	230	-0.0203	281	-0.2183
180	-0.3193	231	0.1157	282	-0.2263
181	0.1237	232	0.1467	283	-0.2443
182	0.2297	233	0.2407	284	-0.2193
183	0.3357	234	0.3027	285	0.0227
184	0.5327	235	0.1587	286	0.0537
185	0.6437	236	0.0717	287	0.2177
186	0.8187	237	0.0037	288	0.4047
187	0.9707	238	0.2327	289	0.5757
188	1.0267	239	0.3427	290	0.3357
189	0.9927	240	0.3407	291	-0.1993
190	-0.3583	241	-0.4753	292	-0.0203
191	-0.3333	242	-0.3793	325	0.0257
192	-0.3703	244	-0.2623	326	0.0267
193	-0.3823	245	-0.2303	327	0.0287
194	-0.3883	246	-0.1433	328	0.0307
195	-0.3303	247	0.0837	329	0.0297
196	-0.3383	248	0.1837	330	0.0287
197	-0.3223	249	0.2507	331	0.0277
198	-0.3303	250	0.0287	332	0.0287
199	-0.3313	251	-0.3043	333	0.0307
200	-0.3073	252	0.2627	334	0.0297
201	-0.2983	253	0.2947	335	0.0307
202	-0.2983	254	0.2417	336	0.0287
203	-0.3003	255	-0.5203	337	0.0267
204	-0.2973	256	-0.4373	338	0.0267
205	0.3907	257	-0.3693	339	0.0287
206	0.3957	258	-0.2843	340	0.0307
207	0.4677	259	-0.2583	341	0.0297
208	0.5217	260	-0.2383	350	-0.1703
210	0.0677	261	-0.1673	351	0.0257
211	0.5727	262	0.1097	352	0.0247
212	0.5937	263	0.1487	353	0.0257
213	0.3277	264	0.2687	354	0.0267
214	0.3727	265	0.3607	355	0.0277
215	0.4097	266	0.2947		
216	0.4297	267	0.0927		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 506
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 31.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.346
TUNNEL DYNAMIC PRESSURE(PSF) = 826.
TUNNEL STAGNATION PRESSURE(PSF) = 1922.
TUNNEL STATIC PRESSURE(PSF) = 651.
REYNOLDS NUMBER PER FOOT = 4.0060E 06
MODEL ANGLE OF ATTACK(DEG) = 14.13
FIN ANGLE(DEG) = -0.31
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 557.

SCANIVALE	CP(REF)
147	1.1459
247	1.1459
347	1.1459
447	1.1469
547	1.1449
647	1.1439
747	1.1449

ORF	CP	ORF	CP	ORF	CP
1	-0.0781	52	-0.1031	102	0.1159
2	-0.3431	53	-0.0561	103	-0.2551
3	-0.3461	54	-0.0191	104	-0.2021
4	-0.3611	55	-0.5731	105	-0.1141
5	-0.3501	56	-0.5251	110	-0.2741
6	-0.3451	57	-0.4841	111	-0.2631
7	-0.3361	58	-0.4351	112	-0.2611
8	-0.3281	59	-0.3891	113	-0.2751
9	-0.3121	60	-0.3411	114	-0.2601
10	-0.2881	61	-0.2881	115	-0.2931
11	-0.2041	62	-0.2481	116	-0.2891
12	-0.0191	63	-0.2251	117	-0.2591
13	0.0879	64	-0.2241	118	-0.2521
14	0.0739	65	-0.2271	119	-0.2161
15	0.0529	66	-0.5231	120	-0.0531
16	-0.3671	67	-0.4751	121	-0.0321
17	-0.3731	68	-0.4241	122	-0.1421
18	-0.3631	69	-0.3651	123	-0.2911
19	-0.3581	70	-0.3321	124	-0.2201
20	-0.3531	71	-0.3051	125	-0.1951
21	-0.3511	72	-0.2811	126	-0.1651
22	-0.3421	73	-0.2381	127	-0.1861
23	-0.3351	74	-0.2051	128	-0.2951
24	-0.3071	75	-0.4351	129	-0.2201
25	-0.2111	76	-0.4541	135	-0.1581
26	-0.1021	77	-0.3141	136	-0.1611
27	-0.0511	78	-0.3151	137	-0.1621
28	-0.0311	79	-0.3121	138	-0.0811
29	0.0319	80	-0.3011	139	-0.0851
30	-0.4971	81	-0.2661	140	-0.0781
32	-0.4351	82	-0.2561	141	0.0689
33	-0.3981	83	-0.2501	142	0.0599
34	-0.3751	84	-0.3061	143	0.0849
35	-0.3621	85	-0.3031	145	-0.1701
36	-0.3471	86	-0.2961	147	0.0459
37	-0.3211	87	-0.2651	151	0.3199
38	-0.2391	88	-0.2161	152	0.2039
39	-0.1401	89	-0.1561	153	0.0229
40	-0.0661	90	-0.2961	154	-0.1301
41	-0.0091	91	-0.3061	155	0.5089
42	0.0879	92	-0.2911	156	0.3509
43	-0.5551	93	-0.2631	157	0.2169
44	-0.5071	94	-0.2461	158	0.5829
45	-0.4691	95	-0.2071	159	0.5279
46	-0.4391	96	0.4779	160	0.4779
47	-0.4121	97	0.1139	161	0.3649
48	-0.3831	98	0.6879	162	0.6889
49	-0.3491	99	0.6719	163	0.5719
50	-0.3061	100	0.1899	164	-0.0711
51	-0.2021	101	0.0589	165	0.3539

ORF	CP	ORF	CP	ORF	CP
166	0.7579	217	0.4269	268	0.2489
167	0.6399	218	0.4269	269	0.3299
168	0.5899	219	0.4109	270	0.4239
169	0.4689	220	0.4549	271	0.0599
170	0.4559	221	-0.4181	272	0.2429
171	0.5509	222	-0.2431	273	0.3799
172	0.3789	223	0.1759	274	0.4889
173	0.5189	224	0.2599	275	0.4249
174	0.3659	225	0.6419	276	0.1209
175	0.2159	226	0.5119	277	0.0559
176	0.0019	227	-0.5011	278	-0.5051
177	0.2039	228	-0.4251	279	-0.4511
178	0.2919	229	-0.3981	280	-0.3611
179	0.3379	230	-0.3121	281	-0.2921
180	-0.3361	231	0.0869	282	-0.2831
181	0.0839	232	0.1539	283	-0.3111
182	0.2189	233	0.2719	284	-0.2631
183	0.3509	234	0.3909	285	0.0559
184	0.5469	235	0.2169	286	0.0399
185	0.6789	236	0.1059	287	0.2589
186	0.8909	237	-0.0541	288	0.4509
187	1.0729	238	0.2609	289	0.6109
188	1.0989	239	0.3269	290	0.3509
189	1.0139	240	0.2659	291	-0.2471
190	-0.3791	241	-0.5271	292	-0.0551
191	-0.3571	242	-0.4471	325	0.0139
192	-0.3891	244	-0.2881	326	0.0159
193	-0.4011	245	-0.2231	327	0.0149
194	-0.4111	246	-0.0951	328	0.0119
195	-0.3441	247	0.0989	329	0.0109
196	-0.3591	248	0.1949	330	0.0109
197	-0.3391	249	0.2689	331	0.0169
198	-0.3491	250	0.0169	332	0.0159
199	-0.3531	251	-0.3161	333	0.0129
200	-0.3301	252	0.2719	334	0.0119
201	-0.3161	253	0.2549	335	0.0109
202	-0.3161	254	0.1799	336	0.0149
203	-0.3181	255	-0.5381	337	0.0139
204	-0.3141	256	-0.4771	338	0.0169
205	0.4109	257	-0.4211	339	0.0149
206	0.4339	258	-0.3231	340	0.0119
207	0.4979	259	-0.3061	341	0.0119
208	0.5549	260	-0.2751	350	-0.2201
210	0.0289	261	-0.1801	351	-0.0031
211	0.8589	262	0.1259	352	0.0079
212	0.8599	263	0.1769	353	0.0129
213	0.0379	264	0.2819	354	0.0149
214	0.1799	265	0.3639	355	0.0179
215	0.2339	266	0.3059		
216	0.3359	267	0.1129		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 507
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 31.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.349
TUNNEL DYNAMIC PRESSURE(PSF) = 823.
TUNNEL STAGNATION PRESSURE(PSF) = 1914.
TUNNEL STATIC PRESSURE(PSF) = 645.
REYNOLDS NUMBER PER FOOT = 3.9940E 06
MODEL ANGLE OF ATTACK(DEG) = 0.11
FIN ANGLE(DEG) = 0.05
FREE°STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 557.

SCAN VALUE	CP(REF)
147	1.1583
247	1.1573
347	1.1573
447	1.1583
547	1.1543
647	1.1543
747	1.1553

ORF	CP	ORF	CP	ORF	CP
1	0.4293	52	0.2403	102	0.0293
2	0.0653	53	0.0753	103	-0.2667
3	-0.2657	54	-0.0377	104	-0.2617
4	-0.2697	55	0.0673	105	-0.1337
5	-0.2417	56	0.0103	110	-0.1127
6	-0.1887	57	-0.0277	111	-0.1137
7	-0.0787	58	-0.0477	112	-0.1047
8	0.0333	59	0.0863	113	-0.1467
9	0.0893	60	0.1973	114	-0.2157
10	0.1393	61	0.2373	115	-0.2077
11	0.1633	62	0.2613	116	-0.1797
12	0.1923	63	0.2233	117	-0.1287
13	0.2053	64	-0.0337	118	-0.0907
14	0.1353	65	-0.0397	119	-0.0937
15	0.0613	66	0.0703	120	0.0383
16	0.1453	67	0.0333	121	0.0443
17	-0.0547	68	0.0043	122	-0.0667
18	-0.1967	69	0.0423	123	-0.1967
19	-0.2457	70	0.2163	124	-0.1227
20	-0.2127	71	0.2543	125	-0.1047
21	-0.1247	72	0.2693	126	-0.0817
22	0.0633	73	0.2143	127	-0.0927
23	0.1213	74	-0.0397	128	-0.2217
24	0.1653	75	0.0973	129	-0.1617
25	0.1893	76	0.0653	135	-0.0787
26	0.2133	77	0.0623	136	-0.0847
27	0.2203	78	0.2193	137	-0.0827
28	0.1603	79	0.2753	138	0.0073
29	0.0223	80	0.2603	139	0.0093
30	0.0673	81	0.1613	140	0.0053
32	-0.1367	82	-0.0637	141	0.0243
33	-0.1917	83	0.1093	142	0.0263
34	-0.1677	84	0.1123	143	0.0263
35	-0.0157	85	0.2043	145	-0.0867
36	0.1383	86	0.2573	147	0.0253
37	0.1743	87	0.2303	151	0.2113
38	0.2003	88	0.2053	152	-0.0207
39	0.2143	89	-0.0537	153	-0.0807
40	0.2273	90	0.1253	154	-0.2287
41	0.1773	91	0.1103	155	0.1013
42	-0.0317	92	0.2113	156	0.3423
43	0.0473	93	0.2563	157	0.2173
44	-0.0207	94	0.1893	158	0.5953
45	-0.0777	95	-0.0537	159	0.4613
46	-0.1107	96	-0.2707	160	0.4663
47	-0.0927	97	-0.0507	161	0.4003
48	0.1183	98	-0.0257	162	0.5033
49	0.1953	99	0.1803	163	0.5673
50	0.2213	100	0.1593	164	0.0093
51	0.2373	101	0.0013	165	0.3413

ORF	CP	ORF	CP	ORF	CP
166	0.6483	217	0.0273	268	0.0723
167	0.5403	218	0.0593	269	0.3353
168	0.5243	219	0.0903	270	0.4173
169	0.4143	220	0.1353	271	0.0053
170	0.2213	221	-0.2697	272	-0.0217
171	0.4493	222	-0.1537	273	0.2113
172	0.2493	223	0.1513	274	0.2493
173	0.2333	224	0.1703	275	0.3933
174	0.1273	225	0.3643	276	0.5963
175	-0.0297	226	0.2953	277	0.5053
176	-0.2037	227	-0.4407	278	-0.4137
177	-0.0127	228	-0.3527	279	-0.3797
178	-0.0437	229	-0.2327	280	-0.3077
179	-0.0767	230	-0.0537	281	-0.2727
180	-0.3017	231	0.0223	282	-0.2327
181	0.5563	232	0.0423	283	-0.1507
182	0.7013	233	0.0833	284	0.1103
183	0.6523	234	0.1453	285	0.1963
184	0.9283	235	0.0293	286	0.0053
185	0.9423	236	-0.0457	287	-0.0307
186	0.9463	237	0.0603	288	0.1183
187	0.9903	238	0.1263	289	0.3333
188	1.0523	239	0.3563	290	0.3743
189	1.0943	240	0.2733	291	-0.2387
190	-0.2967	241	-0.3847	292	0.1893
191	-0.3197	242	-0.3267	325	0.0943
192	-0.3137	244	-0.0707	326	0.0943
193	-0.3197	245	-0.0147	327	0.0943
194	-0.2937	246	0.0113	328	0.0933
195	-0.3067	247	0.0723	329	0.0963
196	-0.3097	248	0.1543	330	0.0953
197	-0.2957	249	0.1653	331	0.0943
198	-0.2957	250	0.0913	332	0.0953
199	-0.2957	251	-0.2867	333	0.0933
200	-0.2917	252	0.1543	334	0.0963
201	-0.2847	253	0.4013	335	0.0953
202	-0.2797	254	0.3313	336	0.0953
203	-0.2777	255	-0.5377	337	0.0933
204	-0.2767	256	-0.4797	338	0.0953
205	0.2863	257	-0.4167	339	0.0943
206	0.3333	258	-0.2917	340	0.0943
207	0.3363	259	-0.0797	341	0.0973
208	0.3223	260	-0.0187	350	-0.0947
210	0.3193	261	0.0963	351	0.0923
211	0.4193	262	0.2213	352	0.0883
212	0.3593	263	0.0363	353	0.0903
213	-0.3217	264	0.1303	354	0.0883
214	-0.2107	265	0.3773	355	0.0833
215	-0.1637	266	0.3843		
216	-0.0837	267	0.0073		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 508
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 31.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.352
TUNNEL DYNAMIC PRESSURE(PSF) = 824.
TUNNEL STAGNATION PRESSURE(PSF) = 1916.
TUNNEL STATIC PRESSURE(PSF) = 643.
REYNOLDS NUMBER PER FOOT = 3.9870E 06
MODEL ANGLE OF ATTACK(DEG) = 7.92
FIN ANGLE(DEG) = 0.19
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 557.

SCANIVALE	CP(REF)
147	1.1607
247	1.1587
347	1.1587
447	1.1597
547	1.1597
647	1.1587
747	1.1587

ORF	CP	ORF	CP	ORF	CP
1	0.0677	52	0.0307	102	0.0807
2	-0.1493	53	-0.0303	103	-0.2303
3	-0.1993	54	0.0307	104	-0.2523
4	-0.2043	55	-0.4503	105	-0.1583
5	-0.2043	56	-0.2843	110	-0.1323
6	-0.2083	57	-0.1893	111	-0.1133
7	-0.1903	58	-0.1813	112	-0.1093
8	-0.1693	59	-0.1833	113	-0.1603
9	-0.1253	60	-0.1833	114	-0.2103
10	-0.0643	61	-0.1593	115	-0.2293
11	-0.0153	62	-0.0873	116	-0.2013
12	0.0847	63	-0.0363	117	-0.1423
13	0.1397	64	-0.0823	118	-0.1293
14	0.0937	65	-0.1053	119	-0.1393
15	0.0427	66	-0.4693	120	0.0017
16	-0.1543	67	-0.3703	121	0.0137
17	-0.1503	68	-0.2963	122	-0.0903
18	-0.1863	69	-0.1953	123	-0.2273
19	-0.2143	70	-0.1653	124	-0.1453
20	-0.2193	71	-0.1623	125	-0.1233
21	-0.2143	72	-0.1473	126	-0.0983
22	-0.1893	73	-0.1183	127	-0.1143
23	-0.1553	74	-0.1813	128	-0.2433
24	-0.0973	75	-0.4793	129	-0.1813
25	-0.0323	76	-0.3773	135	-0.0993
26	0.0397	77	-0.3203	136	-0.1063
27	0.0917	78	-0.2763	137	-0.1043
28	0.0537	79	-0.2133	138	-0.0003
29	0.0367	80	-0.1663	139	-0.0043
30	-0.2803	81	-0.1563	140	-0.0043
32	-0.1913	82	-0.2633	141	0.0457
33	-0.1983	83	-0.3883	142	0.0457
34	-0.2093	84	-0.3793	143	0.0497
35	-0.2103	85	-0.3283	145	-0.1053
36	-0.1753	86	-0.2783	147	0.0437
37	-0.1343	87	-0.2113	151	0.3427
38	-0.0403	88	-0.1283	152	0.1307
39	0.0307	89	-0.2523	153	0.0077
40	0.0707	90	-0.5163	154	-0.1633
41	0.0547	91	-0.3673	155	0.4187
42	0.0407	92	-0.2743	156	0.4117
43	-0.3373	93	-0.2363	157	0.2517
44	-0.2463	94	-0.2593	158	0.4997
45	-0.2183	95	-0.2473	159	0.5157
46	-0.2113	96	0.3087	160	0.5017
47	-0.2113	97	0.0407	161	0.3757
48	-0.2093	98	0.3917	162	0.5977
49	-0.1783	99	0.4947	163	0.5607
50	-0.1033	100	0.1187	164	-0.0003
51	-0.0393	101	0.0377	165	0.3597

ORF	CP	ORF	CP	ORF	CP
166	0.7157	217	0.2457	268	0.1837
167	0.5977	218	0.2417	269	0.4117
168	0.5747	219	0.2437	270	0.4057
169	0.4677	220	0.2477	271	0.0567
170	0.4517	221	-0.2893	272	0.0807
171	0.5317	222	-0.1713	273	0.3787
172	0.3437	223	0.1237	274	0.4167
173	0.3737	224	0.1797	275	0.2507
174	0.2827	225	0.3257	276	0.2847
175	0.1367	226	0.2657	277	0.2427
176	-0.0873	227	-0.1993	278	-0.3423
177	0.1437	228	-0.1143	279	-0.2573
178	0.1017	229	-0.0303	280	-0.1753
179	0.1857	230	0.0687	281	-0.1313
180	-0.3033	231	0.1317	282	-0.1633
181	0.2037	232	0.1567	283	-0.1893
182	0.3277	233	0.1767	284	-0.0793
183	0.3607	234	0.2007	285	0.1117
184	0.5727	235	0.0827	286	0.0517
185	0.6617	236	0.0217	287	0.0417
186	0.7147	237	0.1217	288	0.3917
187	0.7637	238	0.1747	289	0.5097
188	0.8167	239	0.2347	290	0.4257
189	0.8127	240	0.2027	291	-0.2203
190	-0.3233	241	-0.3253	292	0.0587
191	-0.3273	242	-0.1993	325	0.0517
192	-0.3393	244	-0.0383	326	0.0527
193	-0.3513	245	0.0077	327	0.0527
194	-0.3513	246	0.0587	328	0.0547
195	-0.3133	247	0.1237	329	0.0527
196	-0.3233	248	0.2017	330	0.0557
197	-0.3123	249	0.2147	331	0.0527
198	-0.3113	250	0.0567	332	0.0527
199	-0.3143	251	-0.2883	333	0.0557
200	-0.2903	252	0.2367	334	0.0537
201	-0.2873	253	0.3367	335	0.0557
202	-0.2883	254	0.3217	336	0.0527
203	-0.2913	255	-0.4773	337	0.0527
204	-0.2873	256	-0.3873	338	0.0517
205	0.3097	257	-0.3113	339	0.0527
206	0.3297	258	-0.2343	340	0.0557
207	0.4027	259	-0.1663	341	0.0527
208	0.4407	260	-0.1063	350	-0.1293
210	0.1567	261	-0.0133	351	0.0557
211	0.3987	262	0.1827	352	0.0557
212	0.3887	263	0.0427	353	0.0587
213	0.0637	264	0.2247	354	0.0557
214	0.1557	265	0.4077	355	0.0577
215	0.1917	266	0.4307		
216	0.2387	267	0.0437		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 509
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 30.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.198
TUNNEL DYNAMIC PRESSURE(PSF) = 780.
TUNNEL STAGNATION PRESSURE(PSF) = 1878.
TUNNEL STATIC PRESSURE(PSF) = 777.
REYNOLDS NUMBER PER FOOT = 3.9840E 06
MODEL ANGLE OF ATTACK(DEG) = -14.18
FIN ANGLE(DEG) = -0.19
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 553.

SCANVALUE	CP(REF)
147	1.0518
247	1.0518
347	1.0518
447	1.0518
547	1.0508
647	1.0508
747	1.0498

ORF	CP	ORF	CP	ORF	CP
1	0.0818	52	-0.0642	102	-0.2522
2	-0.0712	53	-0.2052	103	-0.5152
3	-0.0472	54	-0.2312	104	-0.4992
4	-0.0092	55	0.1568	105	-0.3842
5	0.0048	56	0.1438	110	-0.2522
6	0.0198	57	0.1328	111	-0.2412
7	0.0218	58	0.1118	112	-0.2202
8	0.0098	59	0.0928	113	-0.2762
9	0.0048	60	0.0548	114	-0.2612
10	-0.0072	61	0.0278	115	-0.3092
11	-0.0162	62	0.0078	116	-0.2762
12	-0.0362	63	-0.0402	117	-0.1952
13	-0.0602	64	-0.2542	118	-0.2482
14	-0.1542	65	-0.2352	119	-0.2592
15	-0.2172	66	0.2288	120	0.0118
16	0.0038	67	0.1948	121	0.0148
17	0.0098	68	0.1928	122	-0.1102
18	0.0138	69	0.1308	123	-0.3172
19	0.0208	70	0.1008	124	-0.2002
20	0.0228	71	0.0858	125	-0.1812
21	0.0238	72	0.0538	126	-0.1512
22	0.0188	73	-0.0122	127	-0.1702
23	0.0068	74	-0.2232	128	-0.3202
24	-0.0062	75	0.2948	129	-0.2412
25	-0.0142	76	0.2508	135	-0.1402
26	-0.0322	77	0.1988	136	-0.1392
27	-0.0752	78	0.1698	137	-0.1292
28	-0.1652	79	0.1328	138	-0.0192
29	-0.2322	80	0.0778	139	-0.0312
30	0.0448	81	-0.0402	140	-0.0142
32	0.0378	82	-0.2092	141	0.1078
33	0.0338	83	0.3218	142	0.0888
34	0.0288	84	0.2868	143	0.1068
35	0.0168	85	0.2388	145	-0.1362
36	0.0078	86	0.1738	147	0.0828
37	-0.0072	87	0.0968	151	-0.0302
38	-0.0202	88	-0.0042	152	-0.2352
39	-0.0442	89	-0.2362	153	-0.2972
40	-0.0772	90	0.3498	154	-0.3382
41	-0.1542	91	0.1938	155	-0.0222
42	-0.2272	92	0.0858	156	-0.0642
43	0.1048	93	0.0078	157	-0.1712
44	0.0828	94	-0.0752	158	0.2088
45	0.0798	95	-0.3052	159	0.0848
46	0.0638	96	-0.0662	160	0.0248
47	0.0568	97	-0.2852	161	-0.0462
48	0.0448	98	-0.1322	162	0.1858
49	0.0248	99	-0.3822	163	0.0788
50	0.0068	100	-0.4942	164	-0.0392
51	-0.0212	101	-0.2762	165	-0.1132

ORF	CP	ORF	CP	ORF	CP
166	0.2548	217	-0.5712	268	-0.1492
167	0.1258	218	-0.5482	269	0.0748
168	0.0588	219	-0.3862	270	0.1418
169	-0.0422	220	-0.1492	271	-0.2542
170	0.0538	221	-0.4392	272	-0.1992
171	0.0698	222	-0.2792	273	0.0888
172	-0.0722	223	0.1868	274	0.1298
173	0.1288	224	0.2008	275	0.1428
174	0.0158	225	0.3058	276	0.2208
175	-0.1222	226	0.2008	277	0.1328
176	-0.2582	227	-0.7262	278	-0.2862
177	-0.2382	228	-0.6712	279	-0.2632
178	-0.2802	229	-0.6012	280	-0.1892
179	-0.2292	230	-0.4872	281	-0.0782
180	-0.3802	231	-0.4662	282	0.0088
181	0.2928	232	-0.4372	283	0.0208
182	0.5788	233	-0.3382	284	0.0048
183	0.9048	234	-0.1772	285	-0.0382
184	1.0498	235	-0.2542	286	-0.2692
185	1.0628	236	-0.2442	287	-0.2552
186	1.1458	237	0.0018	288	0.0708
187	1.2978	238	0.0628	289	0.1098
188	1.3878	239	0.1208	290	0.0838
189	1.3978	240	0.0628	291	-0.1452
190	-0.3612	241	-0.4572	292	0.1728
191	-0.3522	242	-0.3462	325	0.0568
192	-0.3832	244	-0.1642	326	0.0568
193	-0.3732	245	-0.1342	327	0.0578
194	-0.3822	246	-0.1302	328	0.0568
195	-0.3452	247	-0.1452	329	0.0568
196	-0.3482	248	-0.0892	330	0.0578
197	-0.3622	249	-0.0622	331	0.0578
198	-0.3392	250	0.0578	332	0.0588
199	-0.3432	251	-0.3502	333	0.0578
200	-0.3462	252	-0.0882	334	0.0568
201	-0.3292	253	0.2168	335	0.0578
202	-0.3372	254	0.1148	336	0.0558
203	-0.3162	255	-0.3092	337	0.0568
204	-0.3242	256	-0.2802	338	0.0568
205	0.1578	257	-0.2562	339	0.0578
206	0.1828	258	-0.1532	340	0.0568
207	0.2158	259	-0.0412	341	0.0558
208	0.3048	260	-0.0202	350	-0.2392
210	0.1198	261	-0.0382	351	0.0538
211	-0.2902	262	-0.0442	352	0.0568
212	-0.3222	263	-0.1802	353	0.0568
213	-0.7752	264	-0.1182	354	0.0578
214	-0.7752	265	0.0608	355	0.0548
215	-0.7132	266	0.0998		
216	-0.6492	267	-0.2082		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 510
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 30.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.206
TUNNEL DYNAMIC PRESSURE(PSF) = 782.
TUNNEL STAGNATION PRESSURE(PSF) = 1877.
TUNNEL STATIC PRESSURE(PSF) = 768.
REYNOLDS NUMBER PER FOOT = 3.9790E 06
MODEL ANGLE OF ATTACK(DEG) = -12.04
FIN ANGLE(DEG) = -0.19
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 553.

SCANIVALE	CP(REF)
147	1.0619
247	1.0609
347	1.0599
447	1.0609
547	1.0649
647	1.0639
747	1.0639

ORF	CP	ORF	CP	ORF	CP
1	-0.0101	52	-0.0071	102	-0.2121
2	-0.0881	53	-0.1481	103	-0.5061
3	-0.0611	54	-0.1761	104	-0.4911
4	-0.0111	55	0.2419	105	-0.4041
5	0.0129	56	0.2209	110	-0.1691
6	0.0199	57	0.1949	111	-0.1511
7	0.0229	58	0.1849	112	-0.1491
8	0.0329	59	0.1569	113	-0.2261
9	0.0299	60	0.1409	114	-0.2461
10	0.0229	61	0.1269	115	-0.2661
11	0.0149	62	0.0799	116	-0.2381
12	0.0009	63	0.0389	117	-0.1421
13	-0.0221	64	-0.2211	118	-0.1731
14	-0.1141	65	-0.1741	119	-0.2001
15	-0.1591	66	0.3369	120	-0.0081
16	0.0039	67	0.3069	121	0.0359
17	0.0049	68	0.2839	122	-0.0691
18	0.0289	69	0.2549	123	-0.2581
19	0.0389	70	0.2249	124	-0.1631
20	0.0409	71	0.1969	125	-0.1421
21	0.0489	72	0.1559	126	-0.1071
22	0.0429	73	0.0809	127	-0.1281
23	0.0339	74	-0.1451	128	-0.2601
24	0.0259	75	0.4109	129	-0.2111
25	0.0199	76	0.3619	135	-0.1061
26	-0.0021	77	0.3229	136	-0.1001
27	-0.0341	78	0.2859	137	-0.0911
28	-0.1121	79	0.2399	138	0.0189
29	-0.1721	80	0.1779	139	0.0139
30	0.0579	81	0.0469	140	0.0189
32	0.0669	82	-0.1591	141	0.1219
33	0.0719	83	0.3889	142	0.1179
34	0.0759	84	0.3629	143	0.1119
35	0.0759	85	0.3069	145	-0.1021
36	0.0679	86	0.2329	147	0.1119
37	0.0599	87	0.1529	151	-0.0371
38	0.0439	88	0.0429	152	-0.2201
39	0.0229	89	-0.2121	153	-0.3101
40	-0.0161	90	0.3969	154	-0.3711
41	-0.0901	91	0.2289	155	0.0799
42	-0.1681	92	0.1159	156	-0.0361
43	0.1219	93	0.0429	157	-0.1451
44	0.1209	94	-0.0341	158	0.2219
45	0.1149	95	-0.2911	159	0.1159
46	0.1139	96	-0.0881	160	0.0809
47	0.1099	97	-0.3061	161	-0.0001
48	0.0919	98	-0.1291	162	0.1849
49	0.0789	99	-0.5331	163	0.1049
50	0.0679	100	-0.5831	164	0.0159
51	0.0329	101	-0.2321	165	-0.0891

ORF	CP	ORF	CP	ORF	CP
166	0.1859	217	-0.4641	268	-0.0921
167	0.1079	218	-0.4061	269	0.1169
168	0.0379	219	-0.1691	270	0.1759
169	-0.0781	220	0.0209	271	-0.1971
170	0.0759	221	-0.3941	272	-0.1481
171	0.0629	222	-0.2621	273	0.1259
172	-0.0911	223	0.1519	274	0.1609
173	0.1829	224	0.1469	275	0.1919
174	0.0329	225	0.2689	276	0.2119
175	-0.1221	226	0.1489	277	0.1359
176	-0.2741	227	-0.6891	278	-0.2461
177	-0.2241	228	-0.6061	279	-0.1831
178	-0.2811	229	-0.5011	280	-0.1021
179	-0.2031	230	-0.3511	281	-0.0241
180	-0.3651	231	-0.2861	282	0.0379
181	0.2949	232	-0.2541	283	0.0449
182	0.5919	233	-0.2091	284	0.0439
183	0.8539	234	-0.0211	285	0.0059
184	1.0029	235	-0.1791	286	-0.2181
185	1.0289	236	-0.2341	287	-0.1881
186	1.1119	237	-0.0061	288	0.1009
187	1.2829	238	0.0359	289	0.1359
188	1.3819	239	0.1919	290	0.1349
189	1.3989	240	0.1089	291	-0.1021
190	-0.3551	241	-0.3691	292	0.2229
191	-0.3431	242	-0.2851	325	0.0769
192	-0.3721	244	-0.1301	326	0.0779
193	-0.3531	245	-0.1071	327	0.0779
194	-0.3681	246	-0.1001	328	0.0799
195	-0.3361	247	-0.0841	329	0.0799
196	-0.3411	248	-0.0171	330	0.0799
197	-0.3521	249	-0.0131	331	0.0799
198	-0.3351	250	0.0849	332	0.0789
199	-0.3341	251	-0.3331	333	0.0809
200	-0.3331	252	-0.0601	334	0.0809
201	-0.3191	253	0.2329	335	0.0809
202	-0.3331	254	0.1369	336	0.0779
203	-0.3151	255	-0.3421	337	0.0769
204	-0.3151	256	-0.3001	338	0.0779
205	0.2279	257	-0.2701	339	0.0789
206	0.2309	258	-0.1671	340	0.0799
207	0.2789	259	-0.0531	341	0.0799
208	0.3529	260	-0.0071	350	-0.1731
210	0.1999	261	-0.0011	351	0.0819
211	-0.1291	262	0.0009	352	0.0829
212	-0.1751	263	-0.1141	353	0.0849
213	-0.7301	264	-0.0591	354	0.0849
214	-0.6761	265	0.1109	355	0.0849
215	-0.5871	266	0.1479		
216	-0.4961	267	-0.1381		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 511
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 30.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.203
TUNNEL DYNAMIC PRESSURE(PSF) = 779.
TUNNEL STAGNATION PRESSURE(PSF) = 1873.
TUNNEL STATIC PRESSURE(PSF) = 769.
REYNOLDS NUMBER PER FOOT = 3.9760E 06
MODEL ANGLE OF ATTACK(DEG) = -8.10
FIN ANGLE(DEG) = 0.04
FREE° STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 553.

SCANVALUE	CP(REF)
147	1.0628
247	1.0628
347	1.0618
447	1.0628
547	1.0658
647	1.0658
747	1.0648

ORF	CP	ORF	CP	ORF	CP
1	0.0188	52	0.1048	102	-0.1462
2	-0.1352	53	-0.0752	103	-0.5242
3	-0.0962	54	-0.1362	104	-0.5202
4	-0.0422	55	0.3628	105	-0.4192
5	0.0248	56	0.3278	110	-0.1392
6	0.0578	57	0.3068	111	-0.1612
7	0.0898	58	0.2868	112	-0.1642
8	0.0998	59	0.2608	113	-0.2272
9	0.1078	60	0.2348	114	-0.2462
10	0.1128	61	0.2178	115	-0.2552
11	0.1098	62	0.1838	116	-0.2222
12	0.0968	63	0.1308	117	-0.1782
13	0.0718	64	-0.1872	118	-0.1422
14	-0.0262	65	-0.1602	119	-0.1562
15	-0.0822	66	0.4088	120	0.0458
16	0.0158	67	0.3568	121	0.0488
17	0.0328	68	0.3268	122	-0.0572
18	0.0538	69	0.3048	123	-0.2632
19	0.0758	70	0.2778	124	-0.1352
20	0.0958	71	0.2448	125	-0.0952
21	0.1128	72	0.2048	126	-0.0552
22	0.1198	73	0.1358	127	-0.0832
23	0.1218	74	-0.1612	128	-0.2642
24	0.1208	75	0.4218	129	-0.1712
25	0.1148	76	0.3628	135	-0.0662
26	0.0968	77	0.3218	136	-0.0662
27	0.0608	78	0.2898	137	-0.0672
28	-0.0332	79	0.2488	138	0.0318
29	-0.1052	80	0.1918	139	0.0288
30	0.1048	81	0.0678	140	0.0338
32	0.1328	82	-0.1902	141	0.0908
33	0.1428	83	0.3748	142	0.0958
34	0.1508	84	0.3568	143	0.0998
35	0.1528	85	0.2988	145	-0.0722
36	0.1518	86	0.2198	147	0.0968
37	0.1458	87	0.1458	151	0.0518
38	0.1328	88	0.0468	152	-0.1582
39	0.1158	89	-0.2412	153	-0.2572
40	0.0828	90	0.3768	154	-0.4062
41	-0.0092	91	0.2028	155	0.1368
42	-0.1132	92	0.0968	156	0.1358
43	0.2298	93	0.0308	157	-0.0092
44	0.2328	94	-0.0382	158	0.3228
45	0.2308	95	-0.3152	159	0.2388
46	0.2258	96	-0.2822	160	0.2068
47	0.2138	97	-0.3072	161	0.1178
48	0.2038	98	-0.1672	162	0.2888
49	0.1938	99	-0.4212	163	0.1998
50	0.1728	100	-0.4142	164	0.0318
51	0.1468	101	-0.1812	165	-0.0112

ORF	CP	ORF	CP	ORF	CP
166	0.2418	217	-0.1142	268	-0.0372
167	0.1428	218	-0.0762	269	0.1858
168	0.0818	219	-0.0232	270	0.2388
169	-0.0512	220	0.0058	271	-0.1522
170	0.1378	221	-0.3012	272	-0.1102
171	0.1038	222	-0.0892	273	0.1898
172	-0.0742	223	0.0878	274	0.2428
173	0.1548	224	0.0618	275	0.3468
174	0.0058	225	0.2598	276	0.2638
175	-0.1372	226	0.1468	277	0.1718
176	-0.2932	227	-0.5412	278	-0.3692
177	-0.1322	228	-0.4932	279	-0.3262
178	-0.2262	229	-0.3642	280	-0.2592
179	-0.1832	230	-0.2222	281	-0.1042
180	-0.3442	231	-0.1002	282	0.0448
181	0.3778	232	-0.0762	283	0.0878
182	0.6018	233	-0.0222	284	0.1198
183	0.7548	234	0.0118	285	0.0898
184	0.8948	235	-0.1162	286	-0.1692
185	0.9188	236	-0.1402	287	-0.1482
186	0.9958	237	-0.0022	288	0.1638
187	1.1458	238	0.0358	289	0.1958
188	1.2968	239	0.3778	290	0.2208
189	1.3398	240	0.2938	291	-0.0112
190	-0.3742	241	-0.6132	292	0.2338
191	-0.3372	242	-0.5602	325	0.0908
192	-0.3912	244	-0.3132	326	0.0898
193	-0.3882	245	-0.0732	327	0.0908
194	-0.3482	246	-0.0022	328	0.0898
195	-0.3332	247	0.0318	329	0.0898
196	-0.3492	248	0.0588	330	0.0918
197	-0.3412	249	0.0618	331	0.0908
198	-0.3352	250	0.0958	332	0.0918
199	-0.3352	251	-0.3222	333	0.0908
200	-0.3312	252	0.0158	334	0.0908
201	-0.3152	253	0.2998	335	0.0928
202	-0.3272	254	0.1948	336	0.0918
203	-0.3152	255	-0.4212	337	0.0898
204	-0.3122	256	-0.3742	338	0.0908
205	0.3248	257	-0.3332	339	0.0908
206	0.3568	258	-0.2112	340	0.0908
207	0.3668	259	-0.0512	341	0.0898
208	0.3818	260	0.0388	350	-0.1232
210	0.3018	261	0.0848	351	0.0798
211	0.1678	262	0.0948	352	0.0878
212	0.0898	263	-0.0402	353	0.0898
213	-0.5372	264	0.0168	354	0.0918
214	-0.4512	265	0.1958	355	0.0908
215	-0.3402	266	0.2288		
216	-0.2062	267	-0.0692		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 512
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 30.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.202
TUNNEL DYNAMIC PRESSURE(PSF) = 779.
TUNNEL STAGNATION PRESSURE(PSF) = 1873.
TUNNEL STATIC PRESSURE(PSF) = 770.
REYNOLDS NUMBER PER FOOT = 3.9810E 06
MODEL ANGLE OF ATTACK(DEG) = -6.02
FIN ANGLE(DEG) = 0.13
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 552.

SCANIVALE	CP(REF)
147	1.0626
247	1.0616
347	1.0616
447	1.0626
547	1.0606
647	1.0616
747	1.0616

ORF	CP	ORF	CP	ORF	CP
1	0.0976	52	0.1136	102	-0.1164
2	-0.0954	53	-0.0664	103	-0.5044
3	-0.1024	54	-0.1294	104	-0.5054
4	-0.0114	55	0.3236	105	-0.3804
5	0.0436	56	0.2966	110	-0.1414
6	0.0876	57	0.2816	111	-0.1614
7	0.1076	58	0.2616	112	-0.1614
8	0.1166	59	0.2506	113	-0.2124
9	0.1196	60	0.2296	114	-0.2464
10	0.1236	61	0.2086	115	-0.2474
11	0.1236	62	0.1816	116	-0.2054
12	0.1176	63	0.1316	117	-0.1654
13	0.0916	64	-0.1814	118	-0.1234
14	-0.0084	65	-0.1604	119	-0.1174
15	-0.0564	66	0.3566	120	0.0536
16	0.0366	67	0.3136	121	0.0526
17	0.0356	68	0.2876	122	-0.0524
18	0.0506	69	0.2636	123	-0.2414
19	0.0746	70	0.2496	124	-0.1324
20	0.0916	71	0.2316	125	-0.0924
21	0.1096	72	0.2036	126	-0.0514
22	0.1286	73	0.1406	127	-0.0834
23	0.1316	74	-0.1724	128	-0.2494
24	0.1336	75	0.3776	129	-0.1554
25	0.1276	76	0.3326	135	-0.0634
26	0.1166	77	0.2976	136	-0.0674
27	0.0826	78	0.2686	137	-0.0664
28	-0.0114	79	0.2326	138	0.0466
29	-0.0754	80	0.1776	139	0.0446
30	0.1216	81	0.0596	140	0.0446
32	0.1336	82	-0.2104	141	0.0996
33	0.1536	83	0.3496	142	0.1006
34	0.1546	84	0.3316	143	0.1026
35	0.1536	85	0.2786	145	-0.0664
36	0.1586	86	0.2036	147	0.0996
37	0.1606	87	0.1206	151	0.0666
38	0.1476	88	0.0356	152	-0.1444
39	0.1346	89	-0.2544	153	-0.2414
40	0.0956	90	0.3486	154	-0.3904
41	0.0136	91	0.1686	155	0.1596
42	-0.0934	92	0.0706	156	0.1276
43	0.2456	93	0.0116	157	-0.0204
44	0.2256	94	-0.0534	158	0.3616
45	0.2166	95	-0.3204	159	0.2506
46	0.2116	96	-0.3434	160	0.2206
47	0.2076	97	-0.2664	161	0.1256
48	0.2056	98	-0.1524	162	0.3376
49	0.1956	99	-0.1604	163	0.2366
50	0.1826	100	-0.0954	164	0.0496
51	0.1536	101	-0.1424	165	0.0236

ORF	CP	ORF	CP	ORF	CP
166	0.2886	217	-0.0824	268	-0.0164
167	0.2006	218	-0.1044	269	0.2066
168	0.1346	219	-0.0164	270	0.2676
169	-0.0004	220	0.0266	271	-0.1194
170	0.1566	221	-0.2404	272	-0.0934
171	0.1576	222	-0.0524	273	0.2106
172	-0.0254	223	0.0886	274	0.2726
173	0.1886	224	0.0726	275	0.4016
174	0.0566	225	0.3506	276	0.3096
175	-0.0944	226	0.2666	277	0.2066
176	-0.2834	227	-0.5894	278	-0.3374
177	-0.1294	228	-0.5144	279	-0.3404
178	-0.2384	229	-0.3974	280	-0.2574
179	-0.1834	230	-0.2204	281	-0.1294
180	-0.3364	231	-0.0934	282	0.0406
181	0.2786	232	-0.0484	283	0.0896
182	0.5056	233	0.0166	284	0.1276
183	0.6696	234	0.0656	285	0.1036
184	0.7736	235	-0.0824	286	-0.1354
185	0.8126	236	-0.0694	287	-0.1304
186	0.8876	237	0.0576	288	0.1856
187	0.9956	238	0.1206	289	0.2306
188	1.1376	239	0.4286	290	0.2386
189	1.2076	240	0.3566	291	-0.0444
190	-0.3554	241	-0.6624	292	0.1986
191	-0.3524	242	-0.5854	325	0.0846
192	-0.3724	244	-0.3234	326	0.0856
193	-0.3654	245	-0.0464	327	0.0866
194	-0.3544	246	0.0376	328	0.0856
195	-0.3394	247	0.0796	329	0.0846
196	-0.3494	248	0.1196	330	0.0856
197	-0.3374	249	0.1026	331	0.0866
198	-0.3364	250	0.0906	332	0.0876
199	-0.3374	251	-0.3244	333	0.0866
200	-0.3284	252	0.0316	334	0.0856
201	-0.3184	253	0.3186	335	0.0866
202	-0.3234	254	0.2126	336	0.0876
203	-0.3154	255	-0.3854	337	0.0836
204	-0.3124	256	-0.3504	338	0.0856
205	0.3406	257	-0.3054	339	0.0876
206	0.3866	258	-0.1884	340	0.0846
207	0.3806	259	-0.0234	341	0.0836
208	0.3816	260	0.0486	350	-0.1044
210	0.2926	261	0.0946	351	0.0896
211	0.3086	262	0.1156	352	0.0896
212	0.2056	263	-0.0124	353	0.0906
213	-0.3944	264	0.0336	354	0.0916
214	-0.2834	265	0.2086	355	0.0896
215	-0.1894	266	0.2476		
216	-0.0924	267	-0.0414		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 513
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 30.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.201
TUNNEL DYNAMIC PRESSURE(PSF) = 779.
TUNNEL STAGNATION PRESSURE(PSF) = 1873.
TUNNEL STATIC PRESSURE(PSF) = 771.
REYNOLDS NUMBER PER FOOT = 3.9840E 06
MODEL ANGLE OF ATTACK(DEG) = -4.04
FIN ANGLE(DEG) = -0.07
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 552.

SCANIVALE	CP(REF)
147	1.0603
247	1.0603
347	1.0603
447	1.0603
547	1.0593
647	1.0603
747	1.0593

ORF	CP	ORF	CP	ORF	CP
1	0.1313	52	0.1183	102	-0.0897
2	-0.0917	53	-0.0607	103	-0.4877
3	-0.1007	54	-0.1207	104	-0.4647
4	-0.0117	55	0.2873	105	-0.3427
5	0.0543	56	0.2553	110	-0.1527
6	0.0953	57	0.2513	111	-0.1577
7	0.1133	58	0.2343	112	-0.1427
8	0.1243	59	0.2333	113	-0.1947
9	0.1353	60	0.2233	114	-0.2427
10	0.1353	61	0.2023	115	-0.2337
11	0.1273	62	0.1733	116	-0.1927
12	0.1263	63	0.1293	117	-0.1477
13	0.1043	64	-0.1797	118	-0.0997
14	0.0043	65	-0.1577	119	-0.0917
15	-0.0397	66	0.3243	120	0.0573
16	0.0423	67	0.2943	121	0.0563
17	0.0493	68	0.2663	122	-0.0477
18	0.0713	69	0.2533	123	-0.2237
19	0.0943	70	0.2323	124	-0.1217
20	0.1163	71	0.2173	125	-0.0837
21	0.1243	72	0.1933	126	-0.0367
22	0.1373	73	0.1343	127	-0.0747
23	0.1403	74	-0.1787	128	-0.2417
24	0.1353	75	0.3553	129	-0.1577
25	0.1343	76	0.3123	135	-0.0557
26	0.1243	77	0.2813	136	-0.0557
27	0.0963	78	0.2583	137	-0.0567
28	0.0013	79	0.2293	138	0.0513
29	-0.0577	80	0.1753	139	0.0513
30	0.1203	81	0.0613	140	0.0493
32	0.1333	82	-0.2157	141	0.1053
33	0.1443	83	0.3273	142	0.1053
34	0.1593	84	0.3123	143	0.1043
35	0.1603	85	0.2613	145	-0.0567
36	0.1633	86	0.1853	147	0.1023
37	0.1583	87	0.1103	151	0.0683
38	0.1533	88	0.0313	152	-0.1317
39	0.1373	89	-0.2517	153	-0.2437
40	0.1063	90	0.3273	154	-0.3737
41	0.0233	91	0.1443	155	0.1963
42	-0.0787	92	0.0733	156	0.1313
43	0.2183	93	0.0353	157	-0.0187
44	0.2063	94	-0.0107	158	0.4043
45	0.1943	95	-0.2767	159	0.2563
46	0.1993	96	-0.3357	160	0.2283
47	0.2003	97	-0.2107	161	0.1333
48	0.1983	98	-0.0857	162	0.3603
49	0.1913	99	0.0343	163	0.2573
50	0.1783	100	0.0503	164	0.0513
51	0.1553	101	-0.1067	165	0.0433

ORF	CP	ORF	CP	ORF	CP
166	0.3483	217	-0.0537	268	0.0063
167	0.2603	218	-0.0357	269	0.2393
168	0.1883	219	0.0523	270	0.3133
169	0.0573	220	0.0873	271	-0.0897
170	0.1823	221	-0.2737	272	-0.0687
171	0.2343	222	-0.0717	273	0.2503
172	0.0363	223	0.1363	274	0.3063
173	0.2043	224	0.1273	275	0.4263
174	0.0843	225	0.4053	276	0.3393
175	-0.0597	226	0.3153	277	0.2373
176	-0.2777	227	-0.6127	278	-0.3567
177	-0.1307	228	-0.4977	279	-0.3277
178	-0.2357	229	-0.3947	280	-0.2887
179	-0.1577	230	-0.1927	281	-0.1487
180	-0.3327	231	-0.0507	282	0.0353
181	0.3573	232	0.0073	283	0.1063
182	0.5373	233	0.0743	284	0.1423
183	0.5633	234	0.1163	285	0.1163
184	0.6473	235	-0.0467	286	-0.1017
185	0.6793	236	-0.0767	287	-0.1057
186	0.7183	237	0.0673	288	0.2183
187	0.8013	238	0.1343	289	0.2763
188	0.8993	239	0.3963	290	0.2643
189	0.9653	240	0.3233	291	-0.0897
190	-0.3477	241	-0.6127	292	0.2063
191	-0.3547	242	-0.5457	325	0.0913
192	-0.3557	244	-0.1887	326	0.0923
193	-0.3577	245	-0.0187	327	0.0933
194	-0.3507	246	0.0483	328	0.0923
195	-0.3407	247	0.1003	329	0.0903
196	-0.3467	248	0.1403	330	0.0913
197	-0.3407	249	0.1253	331	0.0933
198	-0.3377	250	0.0923	332	0.0933
199	-0.3417	251	-0.3247	333	0.0933
200	-0.3307	252	0.0393	334	0.0923
201	-0.3187	253	0.3273	335	0.0923
202	-0.3177	254	0.2233	336	0.0913
203	-0.3197	255	-0.3347	337	0.0913
204	-0.3177	256	-0.3157	338	0.0923
205	0.3453	257	-0.2937	339	0.0933
206	0.4003	258	-0.1617	340	0.0923
207	0.3743	259	0.0153	341	0.0903
208	0.3673	260	0.0753	350	-0.0947
210	0.3243	261	0.1133	351	0.0893
211	0.3833	262	0.1313	352	0.0923
212	0.2713	263	0.0133	353	0.0923
213	-0.4137	264	0.0533	354	0.0933
214	-0.3067	265	0.2273	355	0.0943
215	-0.2087	266	0.2753		
216	-0.0797	267	-0.0157		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 514
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 30.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.204
TUNNEL DYNAMIC PRESSURE(PSF) = 780.
TUNNEL STAGNATION PRESSURE(PSF) = 1874.
TUNNEL STATIC PRESSURE(PSF) = 769.
REYNOLDS NUMBER PER FOOT = 3.9840E 06
MODEL ANGLE OF ATTACK(DEG) = -1.91
FIN ANGLE(DEG) = -0.22
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 552.

SCANIVALE	CP(REF)
147	1.0621
247	1.0611
347	1.0621
447	1.0621
547	1.0651
647	1.0651
747	1.0661

ORF	CP	ORF	CP	ORF	CP
1	0.2081	52	0.1301	102	-0.0629
2	-0.0889	53	-0.0459	103	-0.4519
3	-0.1359	54	-0.1319	104	-0.4199
4	-0.0249	55	0.2601	105	-0.2769
5	0.0401	56	0.2361	110	-0.1489
6	0.0971	57	0.2361	111	-0.1409
7	0.1291	58	0.2341	112	-0.1159
8	0.1451	59	0.2291	113	-0.1749
9	0.1511	60	0.2221	114	-0.2259
10	0.1521	61	0.2041	115	-0.2149
11	0.1511	62	0.1841	116	-0.1779
12	0.1461	63	0.1431	117	-0.1259
13	0.1261	64	-0.1749	118	-0.0789
14	0.0181	65	-0.1679	119	-0.0779
15	-0.0289	66	0.2971	120	0.0641
16	0.0381	67	0.2701	121	0.0671
17	0.0361	68	0.2541	122	-0.0339
18	0.0771	69	0.2461	123	-0.2069
19	0.1051	70	0.2391	124	-0.1099
20	0.1301	71	0.2241	125	-0.0669
21	0.1441	72	0.1991	126	-0.0199
22	0.1521	73	0.1401	127	-0.0539
23	0.1581	74	-0.1839	128	-0.2379
24	0.1591	75	0.3371	129	-0.1609
25	0.1571	76	0.3081	135	-0.0359
26	0.1461	77	0.2841	136	-0.0339
27	0.1191	78	0.2621	137	-0.0369
28	0.0131	79	0.2271	138	0.0721
29	-0.0519	80	0.1681	139	0.0781
30	0.1181	81	0.0641	140	0.0621
32	0.1421	82	-0.2059	141	0.1131
33	0.1601	83	0.3191	142	0.1171
34	0.1671	84	0.3061	143	0.1191
35	0.1701	85	0.2531	145	-0.0359
36	0.1761	86	0.1771	147	0.1161
37	0.1691	87	0.1321	151	0.0781
38	0.1671	88	0.0671	152	-0.1229
39	0.1561	89	-0.2189	153	-0.2339
40	0.1221	90	0.3021	154	-0.3649
41	0.0371	91	0.1521	155	0.2191
42	-0.0749	92	0.1391	156	0.1481
43	0.1981	93	0.1101	157	-0.0039
44	0.1941	94	0.0641	158	0.4841
45	0.1931	95	-0.2279	159	0.2911
46	0.1951	96	-0.3129	160	0.2621
47	0.1951	97	-0.1819	161	0.1651
48	0.1951	98	0.1301	162	0.4241
49	0.1901	99	0.2081	163	0.3321
50	0.1841	100	0.0321	164	0.0711
51	0.1601	101	-0.0969	165	0.0971

ORF	CP	ORF	CP	ORF	CP
166	0.4811	217	0.0111	268	0.0251
167	0.3531	218	0.0651	269	0.2831
168	0.3011	219	0.1381	270	0.3701
169	0.1721	220	0.1521	271	-0.0659
170	0.2261	221	-0.2739	272	-0.0539
171	0.3351	222	-0.0949	273	0.2911
172	0.1141	223	0.1611	274	0.3531
173	0.2091	224	0.1551	275	0.4371
174	0.1021	225	0.4341	276	0.4121
175	-0.0549	226	0.3411	277	0.3031
176	-0.3029	227	-0.6139	278	-0.3919
177	-0.1249	228	-0.5339	279	-0.3439
178	-0.2339	229	-0.3969	280	-0.2829
179	-0.1609	230	-0.1779	281	-0.1369
180	-0.3299	231	0.0301	282	0.0441
181	0.4521	232	0.0871	283	0.1261
182	0.6261	233	0.1391	284	0.1611
183	0.5701	234	0.1711	285	0.1411
184	0.7111	235	-0.0059	286	-0.0839
185	0.7461	236	-0.0609	287	-0.0949
186	0.7731	237	0.0921	288	0.2611
187	0.8151	238	0.1621	289	0.3451
188	0.8731	239	0.3961	290	0.2981
189	0.9221	240	0.3161	291	-0.0899
190	-0.3279	241	-0.4579	292	0.2151
191	-0.3449	242	-0.3789	325	0.0971
192	-0.3369	244	-0.1109	326	0.0981
193	-0.3359	245	0.0361	327	0.0991
194	-0.3279	246	0.1011	328	0.1001
195	-0.3299	247	0.1401	329	0.0991
196	-0.3379	248	0.1641	330	0.0991
197	-0.3269	249	0.1481	331	0.0971
198	-0.3249	250	0.1041	332	0.1001
199	-0.3289	251	-0.3109	333	0.1011
200	-0.3169	252	0.0581	334	0.0991
201	-0.3089	253	0.3421	335	0.1001
202	-0.3109	254	0.2401	336	0.0971
203	-0.3159	255	-0.3059	337	0.0981
204	-0.3119	256	-0.2949	338	0.0971
205	0.3491	257	-0.2499	339	0.0991
206	0.4001	258	-0.1419	340	0.1001
207	0.3831	259	0.0541	341	0.1001
208	0.3721	260	0.1101	350	-0.0789
210	0.3681	261	0.1401	351	0.0961
211	0.4591	262	0.1601	352	0.1021
212	0.3501	263	0.0311	353	0.1021
213	-0.4399	264	0.0721	354	0.1021
214	-0.3269	265	0.2691	355	0.1031
215	-0.2309	266	0.3231		
216	-0.1079	267	0.0011		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 515
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 30.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.201
TUNNEL DYNAMIC PRESSURE(PSF) = 779.
TUNNEL STAGNATION PRESSURE(PSF) = 1873.
TUNNEL STATIC PRESSURE(PSF) = 771.
REYNOLDS NUMBER PER FOOT = 3.9870E 06
MODEL ANGLE OF ATTACK(DEG) = 0.06
FIN ANGLE(DEG) = -0.28
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 552.

SCANIVALE	CP(REF)
147	1.0603
247	1.0593
347	1.0603
447	1.0613
547	1.0583
647	1.0593
747	1.0583

ORF	CP	ORF	CP	ORF	CP
1	0.3563	52	0.1713	102	-0.0257
2	-0.0437	53	-0.0197	103	-0.3847
3	-0.3667	54	-0.1657	104	-0.3717
4	-0.2827	55	0.2643	105	-0.2127
5	-0.0567	56	0.2963	110	-0.1607
6	0.1133	57	0.2793	111	-0.1517
7	0.1633	58	0.2703	112	-0.1277
8	0.1943	59	0.2583	113	-0.1857
9	0.2043	60	0.2503	114	-0.2247
10	0.2083	61	0.2253	115	-0.2167
11	0.2073	62	0.2033	116	-0.1907
12	0.2083	63	0.1593	117	-0.1367
13	0.1993	64	-0.1617	118	-0.0907
14	0.0753	65	-0.1667	119	-0.0877
15	-0.0107	66	0.2993	120	0.0583
16	0.0493	67	0.2913	121	0.0573
17	-0.1467	68	0.2833	122	-0.0477
18	-0.2597	69	0.2673	123	-0.2117
19	-0.0707	70	0.2533	124	-0.0967
20	0.1573	71	0.2383	125	-0.0717
21	0.2153	72	0.1953	126	-0.0397
22	0.2253	73	0.1313	127	-0.0637
23	0.2223	74	-0.1847	128	-0.2437
24	0.2223	75	0.3143	129	-0.1587
25	0.2213	76	0.2933	135	-0.0437
26	0.2153	77	0.2693	136	-0.0447
27	0.1913	78	0.2563	137	-0.0487
28	0.0713	79	0.2183	138	0.0433
29	-0.0567	80	0.1623	139	0.0513
30	-0.0207	81	0.0613	140	0.0483
32	-0.1017	82	-0.1937	141	0.1033
33	0.1863	83	0.2953	142	0.1063
34	0.2413	84	0.2873	143	0.1073
35	0.2373	85	0.2403	145	-0.0487
36	0.2463	86	0.1783	147	0.1103
37	0.2333	87	0.1523	151	0.1713
38	0.2343	88	0.0893	152	-0.1047
39	0.2183	89	-0.2057	153	-0.1767
40	0.1863	90	0.2563	154	-0.3827
41	0.0943	91	0.1983	155	0.1443
42	-0.1167	92	0.1723	156	0.2643
43	-0.0007	93	0.1443	157	0.0903
44	0.0883	94	0.0923	158	0.5543
45	0.2543	95	-0.2117	159	0.4273
46	0.2743	96	-0.3617	160	0.3633
47	0.2553	97	-0.1747	161	0.2683
48	0.2403	98	0.2513	162	0.5173
49	0.2363	99	0.2683	163	0.4623
50	0.2333	100	0.0723	164	0.0473
51	0.2093	101	-0.0537	165	0.1923

ORF	CP	ORF	CP	ORF	CP
166	0.6123	217	0.0873	268	0.0283
167	0.4363	218	0.1303	269	0.3343
168	0.3863	219	0.1643	270	0.4013
169	0.2633	220	0.1703	271	-0.0367
170	0.3393	221	-0.2957	272	-0.0617
171	0.3433	222	-0.1357	273	0.3123
172	0.1263	223	0.1773	274	0.3713
173	0.1943	224	0.1583	275	0.4753
174	0.0743	225	0.3933	276	0.5373
175	-0.1337	226	0.2903	277	0.4393
176	-0.3257	227	-0.3987	278	-0.5767
177	-0.0497	228	-0.3297	279	-0.5207
178	-0.1867	229	-0.2507	280	-0.4157
179	-0.2077	230	-0.0717	281	-0.3377
180	-0.3477	231	0.0773	282	-0.0917
181	0.4133	232	0.1163	283	0.1213
182	0.6043	233	0.1593	284	0.2103
183	0.6083	234	0.1793	285	0.1973
184	0.8133	235	0.0203	286	-0.0517
185	0.8513	236	-0.0737	287	-0.0927
186	0.8993	237	0.0663	288	0.2583
187	0.9713	238	0.1233	289	0.3973
188	0.9963	239	0.3733	290	0.3753
189	1.0393	240	0.2913	291	-0.1837
190	-0.3407	241	-0.3597	292	0.2003
191	-0.3667	242	-0.3117	325	0.0913
192	-0.3607	244	-0.0717	326	0.0903
193	-0.3657	245	0.0543	327	0.0913
194	-0.3457	246	0.1043	328	0.0903
195	-0.3537	247	0.1573	329	0.0903
196	-0.3547	248	0.1883	330	0.0913
197	-0.3467	249	0.1683	331	0.0913
198	-0.3447	250	0.0903	332	0.0923
199	-0.3407	251	-0.3337	333	0.0913
200	-0.3397	252	0.1153	334	0.0913
201	-0.3327	253	0.4343	335	0.0923
202	-0.3287	254	0.3353	336	0.0903
203	-0.3237	255	-0.6967	337	0.0923
204	-0.3247	256	-0.6107	338	0.0903
205	0.3633	257	-0.5427	339	0.0913
206	0.3913	258	-0.3277	340	0.0903
207	0.3943	259	0.0283	341	0.0903
208	0.3953	260	0.1223	350	-0.0897
210	0.3903	261	0.1903	351	0.0823
211	0.4533	262	0.2213	352	0.0893
212	0.3543	263	0.0403	353	0.0893
213	-0.4287	264	0.0973	354	0.0893
214	-0.3067	265	0.3613	355	0.0893
215	-0.2067	266	0.3823		
216	-0.0537	267	0.0143		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 516
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 30.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.200
TUNNEL DYNAMIC PRESSURE(PSF) = 779.
TUNNEL STAGNATION PRESSURE(PSF) = 1873.
TUNNEL STATIC PRESSURE(PSF) = 772.
REYNOLDS NUMBER PER FOOT = 3.9880E 06
MODEL ANGLE OF ATTACK(DEG) = 2.08
FIN ANGLE(DEG) = -0.33
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 551.

SCANIVALE	CP(REF)
147	1.0600
247	1.0590
347	1.0600
447	1.0600
547	1.0570
647	1.0580
747	1.0580

ORF	CP	ORF	CP	ORF	CP
1	0.3240	52	0.1680	102	-0.0070
2	-0.0650	53	-0.0280	103	-0.3900
3	-0.2760	54	-0.1270	104	-0.3620
4	-0.1820	55	0.0090	105	-0.2050
5	-0.1140	56	0.0320	110	-0.1570
6	-0.0410	57	0.2260	111	-0.1500
7	0.0550	58	0.2740	112	-0.1260
8	0.1200	59	0.2760	113	-0.1820
9	0.1730	60	0.2580	114	-0.2180
10	0.2020	61	0.2320	115	-0.2170
11	0.2120	62	0.2010	116	-0.1930
12	0.2210	63	0.1500	117	-0.1380
13	0.2010	64	-0.1660	118	-0.0890
14	0.0850	65	-0.1690	119	-0.0840
15	0.0120	66	0.0760	120	0.0530
16	0.0410	67	0.2520	121	0.0520
17	-0.1170	68	0.2700	122	-0.0420
18	-0.1650	69	0.2610	123	-0.2080
19	-0.1190	70	0.2380	124	-0.0950
20	-0.0420	71	0.2150	125	-0.0770
21	0.0740	72	0.1850	126	-0.0440
22	0.1480	73	0.1150	127	-0.0650
23	0.1950	74	-0.1840	128	-0.2210
24	0.2150	75	0.1110	129	-0.1540
25	0.2220	76	0.2380	135	-0.0410
26	0.2200	77	0.2440	136	-0.0420
27	0.1890	78	0.2290	137	-0.0420
28	0.0720	79	0.1960	138	0.0510
29	-0.0170	80	0.1560	139	0.0460
30	-0.0170	81	0.0630	140	0.0510
32	-0.1340	82	-0.1860	141	0.1040
33	-0.0280	83	0.1390	142	0.1070
34	0.0830	84	0.2160	143	0.1040
35	0.1900	85	0.1970	145	-0.0390
36	0.2250	86	0.1790	147	0.1070
37	0.2410	87	0.1490	151	0.2680
38	0.2460	88	0.0790	152	-0.0240
39	0.2260	89	-0.1830	153	-0.1390
40	0.1910	90	0.1210	154	-0.2940
41	0.0860	91	0.1940	155	0.1520
42	-0.0480	92	0.1700	156	0.3050
43	-0.0210	93	0.1400	157	0.1310
44	-0.0550	94	0.0840	158	0.5160
45	-0.0410	95	-0.1830	159	0.4250
46	0.1540	96	-0.0430	160	0.3480
47	0.2440	97	-0.1510	161	0.2410
48	0.2620	98	0.2800	162	0.4910
49	0.2570	99	0.3150	163	0.4050
50	0.2430	100	0.0540	164	0.0530
51	0.2160	101	-0.0400	165	0.1520

ORF	CP	ORF	CP	ORF	CP
166	0.5680	217	0.1390	268	0.0850
167	0.3870	218	0.1530	269	0.3630
168	0.3480	219	0.1770	270	0.4180
169	0.2240	220	0.1730	271	-0.0240
170	0.4700	221	-0.2770	272	0.0040
171	0.2910	222	-0.0800	273	0.3800
172	0.0880	223	0.1170	274	0.4180
173	0.1810	224	0.1020	275	0.4540
174	0.0820	225	0.3950	276	0.5170
175	-0.1700	226	0.3110	277	0.4030
176	-0.3050	227	-0.3610	278	-0.5580
177	0.0350	228	-0.2750	279	-0.4850
178	-0.0490	229	-0.1830	280	-0.3780
179	-0.0640	230	-0.0070	281	-0.2390
180	-0.3410	231	0.0910	282	-0.1270
181	0.2790	232	0.1300	283	-0.0120
182	0.4430	233	0.1700	284	0.1850
183	0.5280	234	0.1880	285	0.2060
184	0.7230	235	0.0390	286	-0.0320
185	0.7890	236	-0.0450	287	-0.0440
186	0.8630	237	0.0410	288	0.3490
187	0.9360	238	0.1160	289	0.4230
188	1.0110	239	0.4220	290	0.4010
189	1.0510	240	0.3540	291	-0.4130
190	-0.3370	241	-0.6420	292	0.1440
191	-0.3600	242	-0.5200	325	0.0740
192	-0.3510	244	-0.1640	326	0.0760
193	-0.3520	245	-0.0370	327	0.0760
194	-0.3290	246	0.0780	328	0.0760
195	-0.3510	247	0.1830	329	0.0760
196	-0.3520	248	0.2320	330	0.0760
197	-0.3370	249	0.2110	331	0.0760
198	-0.3350	250	0.0770	332	0.0770
199	-0.3360	251	-0.3300	333	0.0760
200	-0.3380	252	0.1650	334	0.0770
201	-0.3250	253	0.5070	335	0.0770
202	-0.3230	254	0.4290	336	0.0760
203	-0.3230	255	-0.6670	337	0.0750
204	-0.3220	256	-0.5830	338	0.0750
205	0.3810	257	-0.5000	339	0.0760
206	0.4010	258	-0.3520	340	0.0750
207	0.4140	259	-0.1500	341	0.0750
208	0.4260	260	0.0520	350	-0.0880
210	0.3480	261	0.1990	351	0.0710
211	0.3910	262	0.2540	352	0.0770
212	0.3140	263	0.0550	353	0.0780
213	-0.1410	264	0.1530	354	0.0780
214	0.0250	265	0.3900	355	0.0770
215	0.0890	266	0.4090		
216	0.1260	267	0.0300		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 517
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 30.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.196
TUNNEL DYNAMIC PRESSURE(PSF) = 777.
TUNNEL STAGNATION PRESSURE(PSF) = 1873.
TUNNEL STATIC PRESSURE(PSF) = 776.
REYNOLDS NUMBER PER FOOT = 3.9890E 06
MODEL ANGLE OF ATTACK(DEG) = 3.96
FIN ANGLE(DEG) = -0.16
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 551.

SCANIVALE	CP(REF)
147	1.0563
247	1.0553
347	1.0553
447	1.0563
547	1.0543
647	1.0543
747	1.0533

ORF	CP	ORF	CP	ORF	CP
1	0.2373	52	0.1493	102	0.0123
2	-0.1127	53	-0.0427	103	-0.3847
3	-0.2397	54	-0.0947	104	-0.3507
4	-0.1357	55	-0.2347	105	-0.1967
5	-0.0577	56	0.0113	110	-0.1577
6	0.0143	57	0.1853	111	-0.1607
7	0.0823	58	0.2443	112	-0.1457
8	0.1263	59	0.2463	113	-0.1957
9	0.1573	60	0.2353	114	-0.2137
10	0.1793	61	0.2113	115	-0.2227
11	0.1943	62	0.1783	116	-0.2087
12	0.1993	63	0.1243	117	-0.1587
13	0.1793	64	-0.1757	118	-0.1037
14	0.0753	65	-0.1637	119	-0.0957
15	0.0223	66	-0.2367	120	0.0393
16	-0.0287	67	0.0323	121	0.0373
17	-0.1297	68	0.2553	122	-0.0507
18	-0.1387	69	0.2583	123	-0.2237
19	-0.0507	70	0.2313	124	-0.1037
20	0.0283	71	0.2043	125	-0.0847
21	0.0953	72	0.1713	126	-0.0477
22	0.1393	73	0.1063	127	-0.0697
23	0.1713	74	-0.1917	128	-0.2237
24	0.1933	75	-0.0847	129	-0.1557
25	0.2003	76	-0.0467	135	-0.0477
26	0.1903	77	0.0873	136	-0.0457
27	0.1603	78	0.1843	137	-0.0497
28	0.0603	79	0.1773	138	0.0493
29	0.0023	80	0.1553	139	0.0463
30	-0.0937	81	0.0633	140	0.0453
32	-0.0507	82	-0.1647	141	0.1013
33	0.0433	83	-0.0677	142	0.1013
34	0.1103	84	0.0013	143	0.1063
35	0.1573	85	0.0743	145	-0.0487
36	0.2023	86	0.1273	147	0.1023
37	0.2123	87	0.1323	151	0.2513
38	0.2133	88	0.0503	152	-0.0227
39	0.1963	89	-0.1477	153	-0.1357
40	0.1633	90	-0.1267	154	-0.3067
41	0.0683	91	-0.0037	155	0.2183
42	-0.0177	92	0.0953	156	0.2613
43	-0.1447	93	0.1203	157	0.0883
44	-0.0507	94	0.0703	158	0.4673
45	0.0233	95	-0.1447	159	0.3753
46	0.1523	96	0.1403	160	0.3033
47	0.2263	97	-0.0937	161	0.1813
48	0.2313	98	0.3653	162	0.4683
49	0.2353	99	0.3743	163	0.3853
50	0.2223	100	0.0353	164	0.0433
51	0.1953	101	-0.0287	165	0.1333

ORF	CP	ORF	CP	ORF	CP
166	0.5533	217	0.2153	268	0.1223
167	0.3923	218	0.2303	269	0.3523
168	0.3513	219	0.2623	270	0.4003
169	0.2363	220	0.2593	271	-0.0067
170	0.4283	221	-0.3087	272	0.0833
171	0.2903	222	-0.1357	273	0.3853
172	0.0943	223	0.1393	274	0.4093
173	0.2303	224	0.1623	275	0.4253
174	0.1113	225	0.4623	276	0.4363
175	-0.0907	226	0.3683	277	0.3113
176	-0.2707	227	-0.4317	278	-0.5467
177	0.0293	228	-0.3167	279	-0.4927
178	-0.0627	229	-0.1947	280	-0.3777
179	-0.0317	230	-0.0117	281	-0.2247
180	-0.3397	231	0.1273	282	-0.0847
181	0.2273	232	0.1923	283	0.0413
182	0.3713	233	0.2433	284	0.1753
183	0.4643	234	0.2503	285	0.1853
184	0.6393	235	0.0723	286	-0.0077
185	0.7013	236	-0.0287	287	0.0273
186	0.7593	237	0.0673	288	0.3783
187	0.8183	238	0.1553	289	0.4203
188	0.8843	239	0.4213	290	0.3893
189	0.9013	240	0.3603	291	-0.3847
190	-0.3337	241	-0.6047	292	0.1143
191	-0.3637	242	-0.4747	325	0.0573
192	-0.3507	244	-0.1397	326	0.0593
193	-0.3497	245	0.0293	327	0.0593
194	-0.3307	246	0.1353	328	0.0573
195	-0.3537	247	0.2153	329	0.0583
196	-0.3557	248	0.2473	330	0.0583
197	-0.3417	249	0.2313	331	0.0593
198	-0.3397	250	0.0613	332	0.0603
199	-0.3387	251	-0.3297	333	0.0583
200	-0.3307	252	0.1583	334	0.0583
201	-0.3187	253	0.4583	335	0.0583
202	-0.3237	254	0.3723	336	0.0593
203	-0.3227	255	-0.6397	337	0.0583
204	-0.3227	256	-0.5517	338	0.0583
205	0.3903	257	-0.4587	339	0.0593
206	0.3993	258	-0.2887	340	0.0583
207	0.4363	259	-0.0417	341	0.0593
208	0.4593	260	0.0923	350	-0.0997
210	0.2783	261	0.1963	351	0.0543
211	0.5073	262	0.2373	352	0.0613
212	0.4463	263	0.0833	353	0.0613
213	-0.0927	264	0.1683	354	0.0603
214	0.0553	265	0.3633	355	0.0613
215	0.1223	266	0.3913		
216	0.1903	267	0.0493		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 518
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 30.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.199
TUNNEL DYNAMIC PRESSURE(PSF) = 776.
TUNNEL STAGNATION PRESSURE(PSF) = 1869.
TUNNEL STATIC PRESSURE(PSF) = 771.
REYNOLDS NUMBER PER FOOT = 3.9790E 06
MODEL ANGLE OF ATTACK(DEG) = 5.97
FIN ANGLE(DEG) = 0.02
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 551.

SCANIVALE	CP(REF)
147	1.0634
247	1.0614
347	1.0624
447	1.0634
547	1.0634
647	1.0644
747	1.0634

ORF	CP	ORF	CP	ORF	CP
1	0.0834	52	0.1414	102	0.0334
2	-0.1716	53	-0.0426	103	-0.3696
3	-0.2196	54	-0.0466	104	-0.3406
4	-0.1446	55	-0.3866	105	-0.1866
5	-0.0506	56	-0.2156	110	-0.1426
6	0.0254	57	-0.0516	111	-0.1616
7	0.0874	58	0.1024	112	-0.1606
8	0.1324	59	0.2094	113	-0.2066
9	0.1694	60	0.2294	114	-0.1866
10	0.1934	61	0.2194	115	-0.2226
11	0.2034	62	0.1874	116	-0.2126
12	0.2064	63	0.1274	117	-0.1696
13	0.1884	64	-0.1696	118	-0.1196
14	0.0884	65	-0.1446	119	-0.1046
15	0.0404	66	-0.3166	120	0.0404
16	-0.1416	67	-0.2296	121	0.0414
17	-0.1756	68	-0.0996	122	-0.0416
18	-0.1416	69	0.0464	123	-0.2216
19	-0.0646	70	0.1124	124	-0.0986
20	0.0054	71	0.1894	125	-0.0826
21	0.0684	72	0.1774	126	-0.0406
22	0.1184	73	0.1134	127	-0.0656
23	0.1554	74	-0.1656	128	-0.2166
24	0.1834	75	-0.2106	129	-0.1466
25	0.1854	76	-0.1866	135	-0.0406
26	0.1864	77	-0.1606	136	-0.0406
27	0.1604	78	-0.0866	137	-0.0376
28	0.0674	79	-0.0066	138	0.0424
29	0.0154	80	0.0414	139	0.0394
30	-0.2486	81	-0.0146	140	0.0434
32	-0.0916	82	-0.1306	141	0.1094
33	0.0104	83	-0.1346	142	0.1034
34	0.0894	84	-0.1726	143	0.1064
35	0.1524	85	-0.1626	145	-0.0466
36	0.1774	86	-0.1116	147	0.0944
37	0.1944	87	-0.0786	151	0.2344
38	0.1974	88	-0.0686	152	0.0084
39	0.1824	89	-0.1446	153	-0.1286
40	0.1494	90	-0.1746	154	-0.3206
41	0.0664	91	-0.1656	155	0.3514
42	-0.0006	92	-0.1486	156	0.2644
43	-0.3306	93	-0.1236	157	0.0904
44	-0.1946	94	-0.1286	158	0.4864
45	-0.0346	95	-0.1486	159	0.4094
46	0.0974	96	0.2724	160	0.3414
47	0.1754	97	-0.0636	161	0.2064
48	0.2134	98	0.4704	162	0.5144
49	0.2164	99	0.4404	163	0.4264
50	0.2144	100	0.0414	164	0.0384
51	0.1884	101	-0.0096	165	0.1784

ORF	CP	ORF	CP	ORF	CP
166	0.6294	217	0.2764	268	0.1424
167	0.4584	218	0.2834	269	0.3634
168	0.4274	219	0.2944	270	0.4144
169	0.3034	220	0.2684	271	0.0124
170	0.4244	221	-0.3126	272	0.0884
171	0.3964	222	-0.1406	273	0.3954
172	0.1844	223	0.1304	274	0.4414
173	0.2994	224	0.1324	275	0.3924
174	0.1684	225	0.4464	276	0.3374
175	-0.0036	226	0.3604	277	0.2424
176	-0.2366	227	-0.2496	278	-0.4846
177	0.0274	228	-0.2066	279	-0.4026
178	-0.0456	229	-0.1196	280	-0.2956
179	0.0634	230	0.0294	281	-0.1446
180	-0.3436	231	0.1844	282	-0.0376
181	0.2214	232	0.2344	283	0.0514
182	0.3624	233	0.2704	284	0.1774
183	0.3964	234	0.2584	285	0.1954
184	0.6114	235	0.0814	286	0.0004
185	0.6834	236	-0.0216	287	0.0444
186	0.7204	237	0.0644	288	0.4144
187	0.7374	238	0.1574	289	0.4794
188	0.7794	239	0.4094	290	0.3854
189	0.7694	240	0.3354	291	-0.3636
190	-0.3306	241	-0.4146	292	0.1034
191	-0.3616	242	-0.3236	325	0.0544
192	-0.3526	244	-0.0806	326	0.0564
193	-0.3506	245	0.0764	327	0.0554
194	-0.3326	246	0.1504	328	0.0554
195	-0.3506	247	0.2244	329	0.0564
196	-0.3566	248	0.2474	330	0.0574
197	-0.3386	249	0.2324	331	0.0574
198	-0.3346	250	0.0584	332	0.0564
199	-0.3376	251	-0.3316	333	0.0564
200	-0.3296	252	0.1674	334	0.0574
201	-0.3216	253	0.4044	335	0.0584
202	-0.3226	254	0.3014	336	0.0574
203	-0.3206	255	-0.5846	337	0.0554
204	-0.3206	256	-0.4606	338	0.0554
205	0.4054	257	-0.3366	339	0.0554
206	0.4264	258	-0.1696	340	0.0564
207	0.4664	259	-0.0066	341	0.0574
208	0.5014	260	0.0874	350	-0.1056
210	0.2974	261	0.1884	351	0.0564
211	0.4664	262	0.2214	352	0.0584
212	0.4074	263	0.0964	353	0.0594
213	-0.0336	264	0.1824	354	0.0594
214	0.1334	265	0.3494	355	0.0584
215	0.1794	266	0.3874		
216	0.2494	267	0.0644		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 519

TUNNEL = 11

TEST NO. = 086

TEST PHASE = 2

RUN NUMBER = 30.

CONFIGURATION NO. = 4.

ANGLE OF MODEL ROLL(DEG) = 900.0

MACH NUMBER = 1.204

TUNNEL DYNAMIC PRESSURE(PSF) = 778.

TUNNEL STAGNATION PRESSURE(PSF) = 1869.

TUNNEL STATIC PRESSURE(PSF) = 767.

REYNOLDS NUMBER PER FOOT = 3.9820E 06

MODEL ANGLE OF ATTACK(DEG) = 7.91

FIN ANGLE(DEG) = -0.09

FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 551.

SCANIVALE CP(REF)

147 1.0661

247 1.0661

347 1.0661

447 1.0671

547 1.0661

647 1.0661

747 1.0661

ORF	CP	ORF	CP	ORF	CP
1	-0.0529	52	0.1731	102	0.0731
2	-0.3059	53	-0.0179	103	-0.2999
3	-0.3249	54	0.0031	104	-0.2829
4	-0.2959	55	-0.5089	105	-0.1459
5	-0.2409	56	-0.4099	110	-0.1419
6	-0.1119	57	-0.2869	111	-0.1589
7	0.0271	58	-0.1879	112	-0.1609
8	0.1491	59	-0.0489	113	-0.2179
9	0.2121	60	0.0961	114	-0.1979
10	0.2411	61	0.2181	115	-0.2419
11	0.2641	62	0.2181	116	-0.2259
12	0.2681	63	0.1681	117	-0.1869
13	0.2561	64	-0.0899	118	-0.1399
14	0.1281	65	-0.0829	119	-0.1349
15	0.0561	66	-0.3859	120	0.0281
16	-0.2709	67	-0.3609	121	0.0281
17	-0.2749	68	-0.3159	122	-0.0619
18	-0.2949	69	-0.2789	123	-0.2469
19	-0.2639	70	-0.1909	124	-0.0989
20	-0.1459	71	-0.0679	125	-0.0879
21	-0.0289	72	0.0321	126	-0.0479
22	0.0771	73	0.0851	127	-0.0629
23	0.1481	74	-0.0619	128	-0.2329
24	0.1831	75	-0.2619	129	-0.1539
25	0.2151	76	-0.2629	135	-0.0579
26	0.2261	77	-0.2769	136	-0.0639
27	0.2061	78	-0.2729	137	-0.0649
28	0.1011	79	-0.2519	138	0.0331
29	0.0401	80	-0.2319	139	0.0331
30	-0.4149	81	-0.2039	140	0.0341
32	-0.2599	82	-0.1719	141	0.0941
33	-0.1879	83	-0.1949	142	0.0871
34	-0.0279	84	-0.2469	143	0.0881
35	0.1161	85	-0.2639	145	-0.0649
36	0.1721	86	-0.2669	147	0.0911
37	0.2151	87	-0.2559	151	0.3081
38	0.2271	88	-0.2239	152	0.0361
39	0.2201	89	-0.1529	153	-0.0849
40	0.1831	90	-0.1969	154	-0.2989
41	0.0881	91	-0.1819	155	0.3731
42	0.0291	92	-0.1859	156	0.3641
43	-0.4999	93	-0.1989	157	0.1631
44	-0.3979	94	-0.1939	158	0.5661
45	-0.2639	95	-0.1349	159	0.4921
46	-0.1169	96	0.2891	160	0.4351
47	0.0411	97	-0.0489	161	0.2941
48	0.1411	98	0.5421	162	0.6301
49	0.2161	99	0.5051	163	0.5371
50	0.2341	100	0.0641	164	0.0331
51	0.2211	101	0.0251	165	0.2731

ORF	CP	ORF	CP	ORF	CP
166	0.7641	217	0.3391	268	0.1551
167	0.5451	218	0.3361	269	0.4351
168	0.5191	219	0.3331	270	0.4671
169	0.3891	220	0.3151	271	0.0521
170	0.4801	221	-0.3419	272	0.0761
171	0.4721	222	-0.1809	273	0.4621
172	0.2521	223	0.1311	274	0.5121
173	0.3431	224	0.1741	275	0.3511
174	0.2191	225	0.4491	276	0.2981
175	0.0381	226	0.3511	277	0.2541
176	-0.2079	227	-0.1549	278	-0.5419
177	0.0651	228	-0.0879	279	-0.4219
178	-0.0519	229	-0.0329	280	-0.3069
179	0.0121	230	0.1121	281	-0.2199
180	-0.3559	231	0.2081	282	-0.2119
181	0.2081	232	0.2451	283	-0.0919
182	0.3541	233	0.2751	284	0.2171
183	0.3291	234	0.2761	285	0.2531
184	0.5501	235	0.1121	286	0.0481
185	0.6371	236	-0.0129	287	0.0271
186	0.6801	237	0.0801	288	0.4701
187	0.7061	238	0.1671	289	0.5641
188	0.7311	239	0.3001	290	0.4611
189	0.7341	240	0.2501	291	-0.3959
190	-0.3389	241	-0.3119	292	0.0821
191	-0.3749	242	-0.1709	325	0.0431
192	-0.3579	244	0.0121	326	0.0451
193	-0.3589	245	0.1021	327	0.0481
194	-0.3439	246	0.1831	328	0.0481
195	-0.3649	247	0.2521	329	0.0481
196	-0.3719	248	0.2771	330	0.0481
197	-0.3499	249	0.2591	331	0.0461
198	-0.3449	250	0.0511	332	0.0481
199	-0.3469	251	-0.3119	333	0.0491
200	-0.3409	252	0.2171	334	0.0481
201	-0.3339	253	0.3741	335	0.0491
202	-0.3339	254	0.3241	336	0.0441
203	-0.3329	255	-0.6499	337	0.0441
204	-0.3339	256	-0.5469	338	0.0451
205	0.4181	257	-0.4419	339	0.0501
206	0.4591	258	-0.2879	340	0.0491
207	0.4941	259	-0.1189	341	0.0481
208	0.5341	260	0.0711	350	-0.1179
210	0.2551	261	0.2261	351	0.0451
211	0.5441	262	0.2831	352	0.0511
212	0.4771	263	0.1001	353	0.0511
213	-0.0469	264	0.2151	354	0.0521
214	0.1351	265	0.4341	355	0.0521
215	0.2191	266	0.4741		
216	0.2951	267	0.0751		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 520
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 30.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.200
TUNNEL DYNAMIC PRESSURE(PSF) = 777.
TUNNEL STAGNATION PRESSURE(PSF) = 1870.
TUNNEL STATIC PRESSURE(PSF) = 771.
REYNOLDS NUMBER PER FOOT = 3.9810E 06
MODEL ANGLE OF ATTACK(DEG) = 11.88
FIN ANGLE(DEG) = -0.28
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 551.

SCANIVALE	CP(REF)
147	1.0627
247	1.0607
347	1.0617
447	1.0627
547	1.0547
647	1.0547
747	1.0547

ORF	CP	ORF	CP	ORF	CP
1	-0.1683	52	0.1597	102	0.1387
2	-0.4293	53	0.0737	103	-0.2863
3	-0.4013	54	0.1177	104	-0.2753
4	-0.3793	55	-0.7083	105	-0.1703
5	-0.3703	56	-0.6593	110	-0.2013
6	-0.3413	57	-0.5673	111	-0.1733
7	-0.3103	58	-0.4913	112	-0.1563
8	-0.2643	59	-0.4283	113	-0.2273
9	-0.1003	60	-0.3753	114	-0.2373
10	0.1437	61	-0.3173	115	-0.2763
11	0.2117	62	-0.2603	116	-0.2493
12	0.2537	63	-0.1553	117	-0.1763
13	0.2567	64	-0.0803	118	-0.1753
14	0.1317	65	-0.0313	119	-0.1843
15	0.0827	66	-0.5843	120	-0.0153
16	-0.3963	67	-0.5403	121	-0.0153
17	-0.4173	68	-0.4723	122	-0.1213
18	-0.4103	69	-0.4543	123	-0.2923
19	-0.4143	70	-0.4243	124	-0.1743
20	-0.4073	71	-0.4023	125	-0.1433
21	-0.3843	72	-0.3753	126	-0.1093
22	-0.3133	73	-0.3343	127	-0.1253
23	-0.1293	74	-0.2333	128	-0.2893
24	0.0077	75	-0.4323	129	-0.2143
25	0.1087	76	-0.4093	135	-0.1183
26	0.1687	77	-0.3953	136	-0.1263
27	0.1887	78	-0.3963	137	-0.1193
28	0.1037	79	-0.3653	138	0.0067
29	0.0917	80	-0.3143	139	0.0057
30	-0.5923	81	-0.2663	140	0.0087
32	-0.4983	82	-0.2183	141	0.1177
33	-0.4183	83	-0.2813	142	0.1047
34	-0.3703	84	-0.3013	143	0.1237
35	-0.2923	85	-0.2813	145	-0.1283
36	-0.1253	86	-0.2563	147	0.1017
37	0.0377	87	-0.2363	151	0.3057
38	0.1557	88	-0.2073	152	0.1087
39	0.1777	89	-0.1743	153	-0.0793
40	0.1657	90	-0.2353	154	-0.2833
41	0.0967	91	-0.2123	155	0.5297
42	0.1037	92	-0.1793	156	0.3427
43	-0.6783	93	-0.1593	157	0.1517
44	-0.6473	94	-0.1433	158	0.5777
45	-0.6023	95	-0.1333	159	0.5477
46	-0.5403	96	0.4437	160	0.4757
47	-0.4443	97	-0.0213	161	0.3217
48	-0.2963	98	0.6317	162	0.6997
49	-0.1773	99	0.5777	163	0.5987
50	-0.0543	100	0.0907	164	0.0077
51	0.0767	101	0.0857	165	0.3127

ORF	CP	ORF	CP	ORF	CP
166	0.8307	217	0.4597	268	0.2357
167	0.6117	218	0.4407	269	0.4407
168	0.5747	219	0.4377	270	0.4587
169	0.4297	220	0.4217	271	0.1067
170	0.5527	221	-0.4323	272	0.1377
171	0.5637	222	-0.2763	273	0.4477
172	0.3077	223	0.1477	274	0.4947
173	0.3987	224	0.2457	275	0.5127
174	0.2797	225	0.6717	276	0.1917
175	0.0677	226	0.4837	277	0.1497
176	-0.1693	227	-0.3083	278	-0.6173
177	0.0897	228	-0.2443	279	-0.5083
178	0.0847	229	-0.1883	280	-0.4203
179	0.1997	230	-0.0253	281	-0.3113
180	-0.3693	231	0.1727	282	-0.3133
181	0.1317	232	0.2377	283	-0.3273
182	0.2437	233	0.3117	284	0.0377
183	0.3157	234	0.3627	285	0.2417
184	0.5367	235	0.1797	286	0.1017
185	0.6767	236	0.0217	287	0.0997
186	0.7677	237	0.0047	288	0.4687
187	0.8667	238	0.2077	289	0.6147
188	0.9037	239	0.3817	290	0.4507
189	0.8837	240	0.3237	291	-0.5043
190	-0.3503	241	-0.6323	292	-0.0073
191	-0.3853	242	-0.5153	325	0.0237
192	-0.3663	244	-0.2603	326	0.0237
193	-0.3673	245	-0.0303	327	0.0257
194	-0.3493	246	0.0987	328	0.0267
195	-0.3723	247	0.2187	329	0.0247
196	-0.3833	248	0.2837	330	0.0257
197	-0.3643	249	0.2867	331	0.0247
198	-0.3523	250	0.0217	332	0.0257
199	-0.3563	251	-0.3453	333	0.0267
200	-0.3483	252	0.2457	334	0.0267
201	-0.3423	253	0.3297	335	0.0277
202	-0.3453	254	0.2897	336	0.0247
203	-0.3473	255	-0.6883	337	0.0237
204	-0.3463	256	-0.5993	338	0.0247
205	0.4937	257	-0.5203	339	0.0267
206	0.5497	258	-0.4103	340	0.0267
207	0.5737	259	-0.3643	341	0.0267
208	0.6027	260	-0.2373	350	-0.1813
210	0.1877	261	0.1257	351	0.0127
211	0.8227	262	0.2677	352	0.0187
212	0.7027	263	0.1497	353	0.0187
213	-0.2153	264	0.2697	354	0.0207
214	0.0397	265	0.4317	355	0.0207
215	0.1817	266	0.4437		
216	0.3657	267	0.1167		

SATURN 1B PRESSURE OUTPUT

DATA POINT CORRELATION NO. = 521
TUNNEL = 11
TEST NO. = 086
TEST PHASE = 2
RUN NUMBER = 30.
CONFIGURATION NO. = 4.
ANGLE OF MODEL ROLL(DEG) = 900.0
MACH NUMBER = 1.201
TUNNEL DYNAMIC PRESSURE(PSF) = 781.
TUNNEL STAGNATION PRESSURE(PSF) = 1878.
TUNNEL STATIC PRESSURE(PSF) = 773.
REYNOLDS NUMBER PER FOOT = 3.9940E 06
MODEL ANGLE OF ATTACK(DEG) = 14.13
FIN ANGLE(DEG) = -0.31
FREE STREAM TOTAL TEMPERATURE(DEG. RANKINE) = 552.

SCANIVALE	CP(REF)
147	1.0542
247	1.0532
347	1.0542
447	1.0542
547	1.0502
647	1.0502
747	1.0492

ORF	CP	ORF	CP	ORF	CP
1	-0.2568	52	-0.0778	102	0.1462
2	-0.5098	53	0.0242	103	-0.3098
3	-0.4448	54	0.1042	104	-0.2968
4	-0.4408	55	-0.6858	105	-0.1668
5	-0.4108	56	-0.6618	110	-0.2488
6	-0.3718	57	-0.6108	111	-0.2348
7	-0.3508	58	-0.5898	112	-0.2048
8	-0.3388	59	-0.5648	113	-0.2568
9	-0.2688	60	-0.5438	114	-0.2668
10	0.0332	61	-0.5158	115	-0.3058
11	0.2002	62	-0.4678	116	-0.2868
12	0.2482	63	-0.4198	117	-0.2118
13	0.2592	64	-0.3628	118	-0.2348
14	0.1422	65	-0.3078	119	-0.2258
15	0.0942	66	-0.5398	120	-0.0398
16	-0.4898	67	-0.5158	121	-0.0348
17	-0.5298	68	-0.4768	122	-0.1428
18	-0.5258	69	-0.4438	123	-0.3188
19	-0.5008	70	-0.4168	124	-0.1968
20	-0.4818	71	-0.3938	125	-0.1718
21	-0.4538	72	-0.3658	126	-0.1408
22	-0.4258	73	-0.3248	127	-0.1618
23	-0.3268	74	-0.2598	128	-0.3268
24	-0.1078	75	-0.4138	129	-0.2488
25	0.0552	76	-0.3838	135	-0.1438
26	0.1402	77	-0.3648	136	-0.1488
27	0.1822	78	-0.3388	137	-0.1488
28	0.1162	79	-0.3078	138	-0.0158
29	0.0972	80	-0.2708	139	-0.0198
30	-0.6598	81	-0.2358	140	-0.0118
32	-0.6108	82	-0.2068	141	0.1132
33	-0.5618	83	-0.2818	142	0.0962
34	-0.5078	84	-0.3148	143	0.1222
35	-0.4428	85	-0.2948	145	-0.1468
36	-0.2988	86	-0.2708	147	0.0882
37	-0.1078	87	-0.2458	151	0.3262
38	0.0392	88	-0.2008	152	0.1042
39	0.1092	89	-0.1748	153	-0.0668
40	0.1152	90	-0.2458	154	-0.2818
41	0.0742	91	-0.2348	155	0.5542
42	0.0992	92	-0.2058	156	0.3432
43	-0.7058	93	-0.1828	157	0.1502
44	-0.7118	94	-0.1558	158	0.6102
45	-0.6868	95	-0.1428	159	0.5582
46	-0.6378	96	0.5252	160	0.4692
47	-0.5368	97	0.0032	161	0.3122
48	-0.4198	98	0.6792	162	0.7332
49	-0.3578	99	0.6112	163	0.6132
50	-0.2838	100	0.1082	164	-0.0208
51	-0.1828	101	0.0862	165	0.3122

ORF	CP	ORF	CP	ORF	CP
166	0.8582	217	0.4982	268	0.2622
167	0.6302	218	0.4772	269	0.4852
168	0.5852	219	0.4472	270	0.4802
169	0.4422	220	0.4432	271	0.1052
170	0.4902	221	-0.4658	272	0.1582
171	0.5832	222	-0.2468	273	0.4562
172	0.3262	223	0.1862	274	0.5192
173	0.4212	224	0.2892	275	0.5422
174	0.2952	225	0.6072	276	0.0842
175	0.1002	226	0.4372	277	0.0602
176	-0.1598	227	-0.3348	278	-0.6458
177	0.0752	228	-0.2138	279	-0.5478
178	0.0422	229	-0.1158	280	-0.4748
179	0.1782	230	0.0442	281	-0.3648
180	-0.3788	231	0.1812	282	-0.3388
181	0.1202	232	0.2542	283	-0.3528
182	0.2212	233	0.3012	284	-0.0838
183	0.3522	234	0.3392	285	0.2382
184	0.5682	235	0.1652	286	0.1032
185	0.6702	236	0.0082	287	0.1162
186	0.7852	237	0.0712	288	0.4842
187	0.9132	238	0.2212	289	0.6562
188	0.9872	239	0.3072	290	0.4982
189	0.9832	240	0.2602	291	-0.5918
190	-0.3518	241	-0.5748	292	-0.0428
191	-0.3888	242	-0.4298	325	0.0012
192	-0.3628	244	-0.1948	326	0.0052
193	-0.3638	245	-0.0398	327	0.0032
194	-0.3538	246	0.0872	328	0.0042
195	-0.3838	247	0.2102	329	0.0062
196	-0.3868	248	0.2852	330	0.0052
197	-0.3648	249	0.2862	331	0.0062
198	-0.3598	250	0.0002	332	0.0052
199	-0.3628	251	-0.3308	333	0.0052
200	-0.3538	252	0.2532	334	0.0062
201	-0.3488	253	0.2762	335	0.0062
202	-0.3508	254	0.2492	336	0.0022
203	-0.3518	255	-0.6908	337	0.0012
204	-0.3508	256	-0.6118	338	0.0042
205	0.5062	257	-0.5458	339	0.0032
206	0.5872	258	-0.4578	340	0.0032
207	0.5902	259	-0.4188	341	0.0052
208	0.6292	260	-0.3008	350	-0.2298
210	0.1382	261	0.0672	351	-0.0028
211	0.9772	262	0.2562	352	-0.0028
212	0.7832	263	0.1452	353	-0.0028
213	-0.3588	264	0.2802	354	-0.0058
214	-0.2078	265	0.4622	355	-0.0028
215	-0.0498	266	0.4862		
216	0.3102	267	0.1102		